

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000945.D
 Acq On : 24 Jan 2018 14:02
 Operator : JC/SY
 Sample : VW0124SBS01
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Manual Integrations
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 1/25/2018 1:33:57 PM

Quant Time: Jan 25 11:54:42 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	256019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	350758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	317402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	174152	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	119054	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.88	113	107142	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.33	98	437871	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.63	95	156766	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	48169	19.51	ug/l	97
3) Chloromethane	2.22	50	44756	20.52	ug/l	98
4) Vinyl Chloride	2.36	62	39813	19.62	ug/l	95
5) Bromomethane	2.74	94	31090	20.96	ug/l	98
6) Chloroethane	2.90	64	23732	21.05	ug/l	97
7) Trichlorofluoromethane	3.25	101	76332	20.43	ug/l	93
8) Diethyl Ether	3.68	74	18592	19.87	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	43021	17.82	ug/l	98
10) Methyl Iodide	4.26	142	37853	18.21	ug/l	100
11) Tert butyl alcohol	5.19	59	21259m	79.89	ug/l	
12) 1,1-Dichloroethene	4.03	96	36409	17.55	ug/l	98
13) Acrolein	3.89	56	17463	67.21	ug/l	97
14) Allyl chloride	4.66	41	63252	19.57	ug/l	98
15) Acrylonitrile	5.37	53	66700	91.24	ug/l	99
16) Acetone	4.13	43	64702	74.47	ug/l	98
17) Carbon Disulfide	4.37	76	130462	19.04	ug/l	99
18) Methyl Acetate	4.67	43	29993	16.62	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	102175	19.17	ug/l	100
20) Methylene Chloride	4.90	84	48172	19.99	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	48129	19.97	ug/l	99
22) Diisopropyl ether	6.32	45	118366	20.45	ug/l	97
23) Vinyl Acetate	6.26	43	316402	87.98	ug/l	98
24) 1,1-Dichloroethane	6.21	63	78598	20.29	ug/l	100
25) 2-Butanone	7.18	43	89584	82.52	ug/l	98
26) 2,2-Dichloropropane	7.17	77	77974	19.88	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	50291	20.19	ug/l	99
28) Bromochloromethane	7.51	49	32322	19.86	ug/l #	98
29) Tetrahydrofuran	7.54	42	51806	86.73	ug/l	99
30) Chloroform	7.67	83	85085	20.36	ug/l	98
31) Cyclohexane	7.95	56	77531	19.39	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	81624	20.21	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68877	20.58	ug/l	99
37) Ethyl Acetate	7.26	43	35514	18.80	ug/l	98
38) Carbon Tetrachloride	8.06	117	73845	20.00	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81514	20.22	ug/l	94
40) Benzene	8.32	78	185324	20.36	ug/l	98
41) Methacrylonitrile	7.49	41	18038	17.01	ug/l	88
42) 1,2-Dichloroethane	8.40	62	56929	20.30	ug/l	99
43) Isopropyl Acetate	8.43	43	59439	18.56	ug/l	98
44) Trichloroethene	9.09	130	55026	20.35	ug/l	100
45) 1,2-Dichloropropane	9.37	63	43463	20.47	ug/l	95
46) Dibromomethane	9.46	93	26585	19.60	ug/l	98
47) Bromodichloromethane	9.65	83	61373	20.46	ug/l	99
48) Methyl methacrylate	9.44	41	28222	18.35	ug/l	98
49) 1,4-Dioxane	9.45	88	10529	355.14	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	166995	90.62	ug/l	98
52) Toluene	10.40	92	119962	20.87	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	59311	19.52	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	65438	19.57	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	37936	20.03	ug/l	96
56) Ethyl methacrylate	10.66	69	42664	18.94	ug/l	97
57) 1,3-Dichloropropane	10.94	76	62550	20.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	91816	82.89	ug/l	99
59) 2-Hexanone	10.98	43	123875	86.65	ug/l	97
60) Dibromochloromethane	11.14	129	45181	19.75	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38678	19.60	ug/l	99
64) Tetrachloroethene	10.87	164	53259	20.22	ug/l	97
65) Chlorobenzene	11.67	112	135972	20.88	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	48467	20.73	ug/l	99
67) Ethyl Benzene	11.74	91	227997	20.73	ug/l	99
68) m/p-Xylenes	11.85	106	178853	41.83	ug/l	100
69) o-Xylene	12.18	106	80674	20.58	ug/l	98
70) Styrene	12.20	104	133301	20.86	ug/l	99
71) Bromoform	12.37	173	30146	19.00	ug/l #	99
73) Isopropylbenzene	12.48	105	231822	20.60	ug/l	100
74) N-amyl acetate	12.29	43	51004	18.67	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	47423	19.72	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	37724m	18.72	ug/l	
77) Bromobenzene	12.76	156	57390	20.05	ug/l	99
78) n-propylbenzene	12.82	91	280521	20.66	ug/l	100
79) 2-Chlorotoluene	12.91	91	158348	20.68	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	199823	20.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11864	17.96	ug/l	99
82) 4-Chlorotoluene	13.01	91	167846	20.63	ug/l	100
83) tert-Butylbenzene	13.23	119	172648	20.58	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	200903	20.75	ug/l	100
85) sec-Butylbenzene	13.40	105	246921	20.40	ug/l	99
86) p-Isopropyltoluene	13.52	119	219635	20.46	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	116007	20.43	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	115522	20.34	ug/l	98
89) n-Butylbenzene	13.84	91	204872	20.31	ug/l	99
90) Hexachloroethane	14.12	117	40267	20.18	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	105455	20.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9364	17.64	ug/l	98

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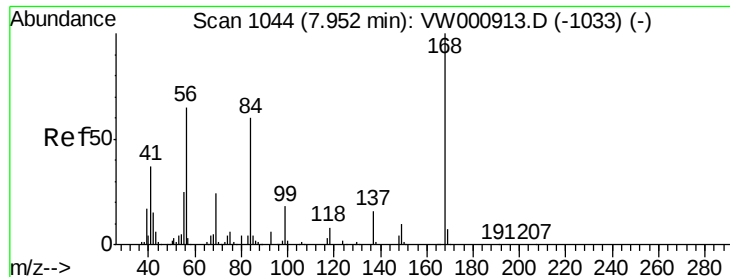
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	77845	20.42	ug/l	99
94) Hexachlorobutadiene	15.26	225	49456	20.46	ug/l	99
95) Naphthalene	15.40	128	153259	19.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	72235	20.60	ug/l	99

(#) = 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: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion:168 Resp: 256019

Ion Ratio Lower Upper

168 100

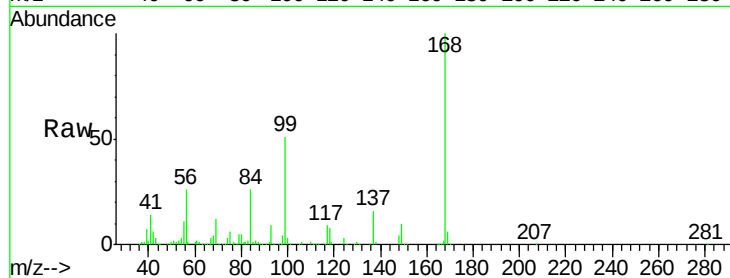
99 51.2 40.6 61.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

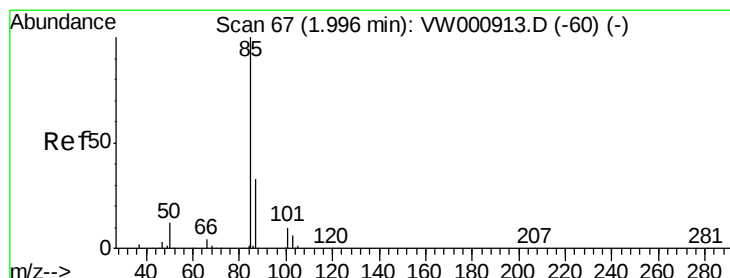
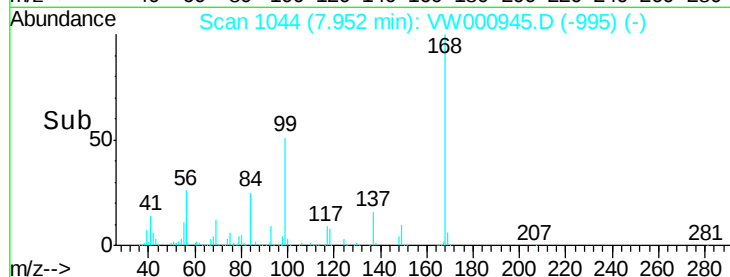
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 19.51 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000945.D

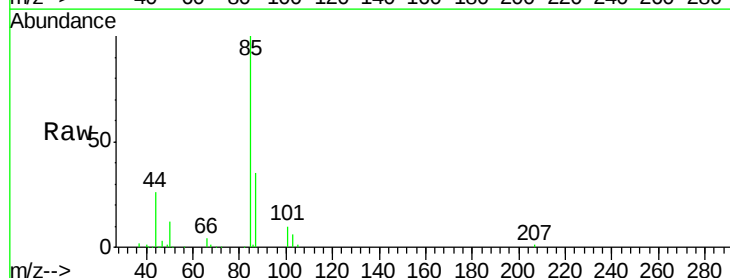
Acq: 24 Jan 2018 14:02

Tgt Ion: 85 Resp: 48169

Ion Ratio Lower Upper

85 100

87 34.9 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

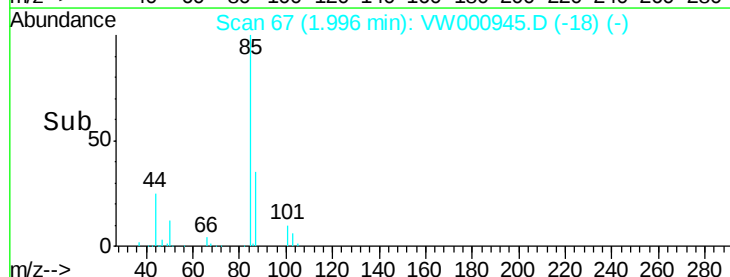
30000

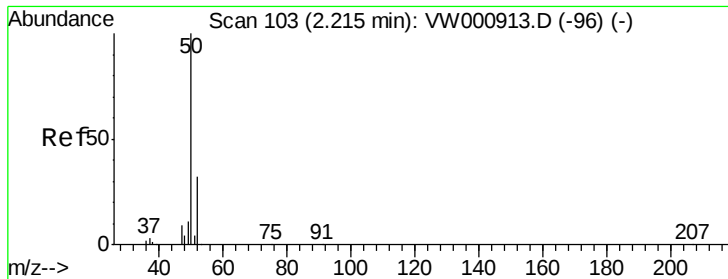
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.52 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion: 50 Resp: 44756

Ion Ratio Lower Upper

50 100

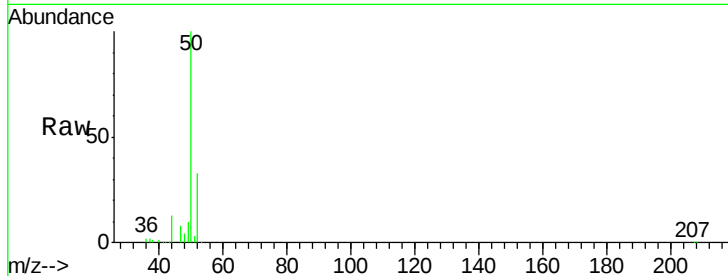
52 33.2 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VW

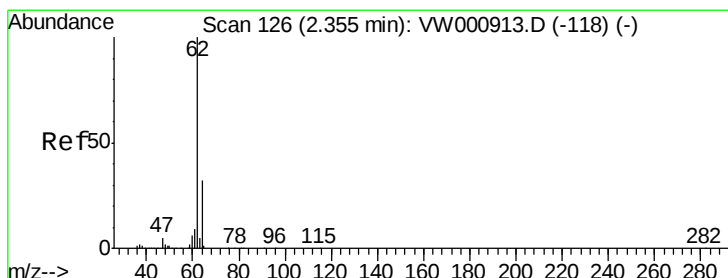
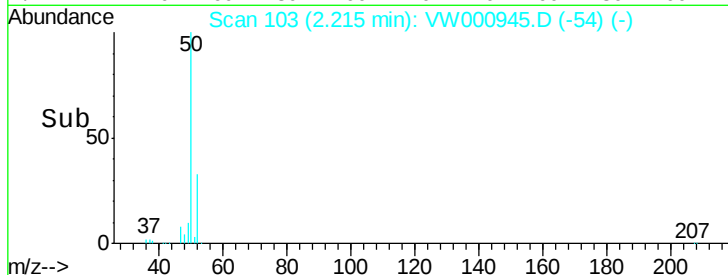
Ion 51.90 (51.60 to 52.60): VW

2.22

2.25

2.30

Time-->



#4

Vinyl Chloride

Concen: 19.62 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000945.D

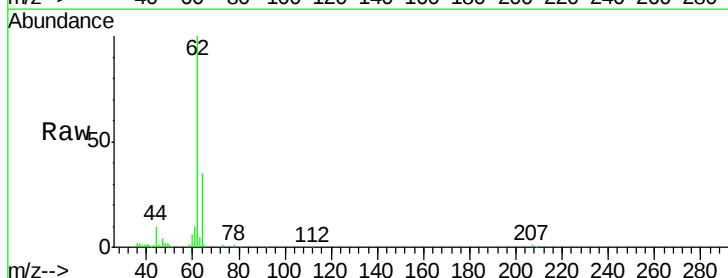
Acq: 24 Jan 2018 14:02

Tgt Ion: 62 Resp: 39813

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VW

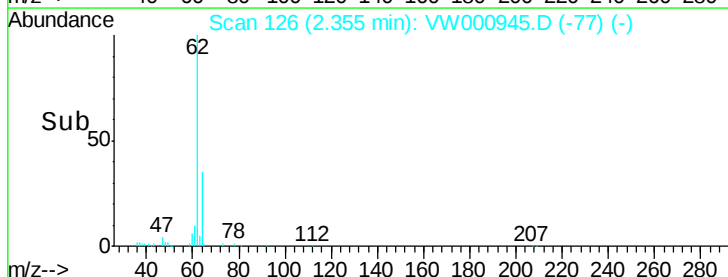
Ion 63.90 (63.60 to 64.60): VW

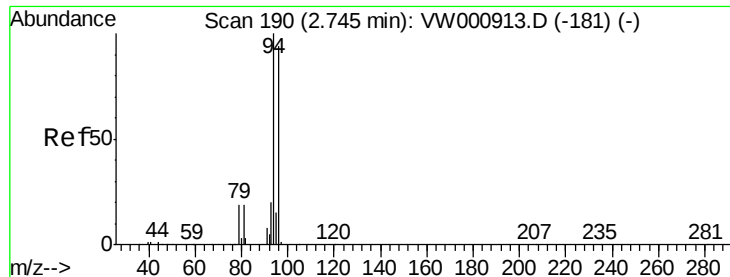
2.36

2.40

2.45

Time-->





#5

Bromomethane

Concen: 20.96 ug/l

RT: 2.74 min Scan# 189

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion: 94 Resp: 31090

Ion Ratio Lower Upper

94 100

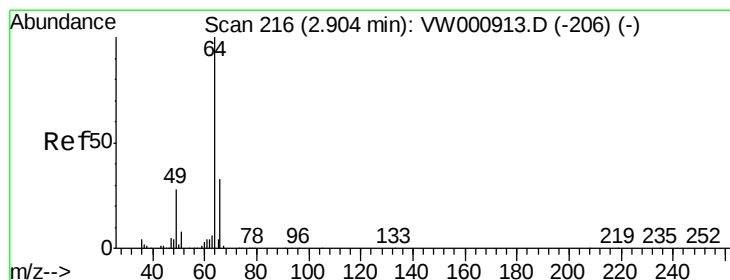
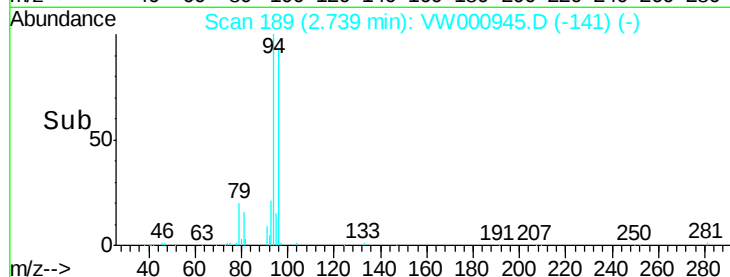
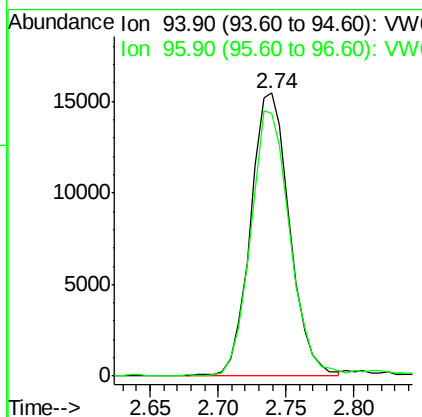
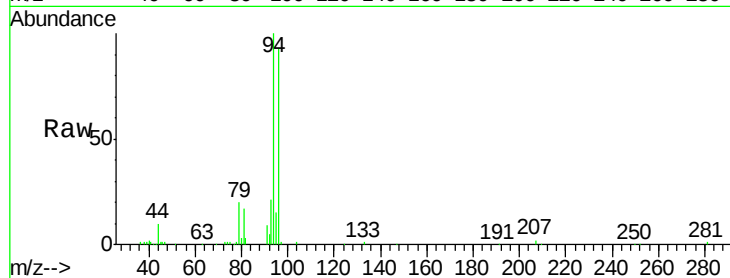
96 92.4 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 21.05 ug/l

RT: 2.90 min Scan# 215

Delta R.T. -0.01 min

Lab File: VW000945.D

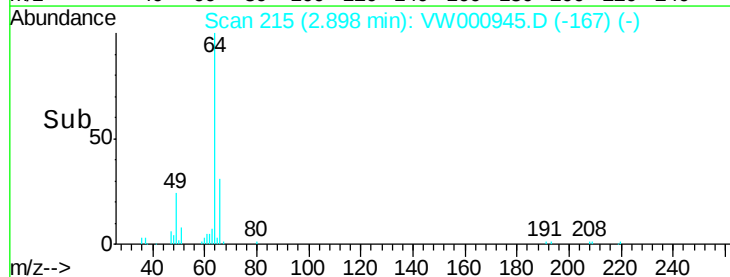
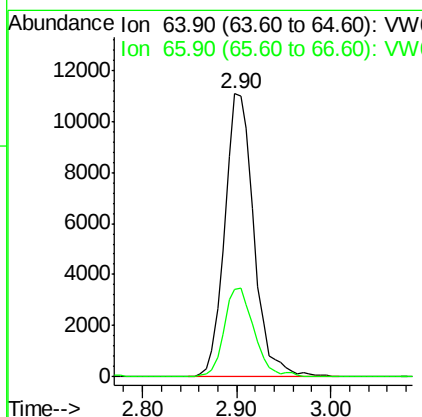
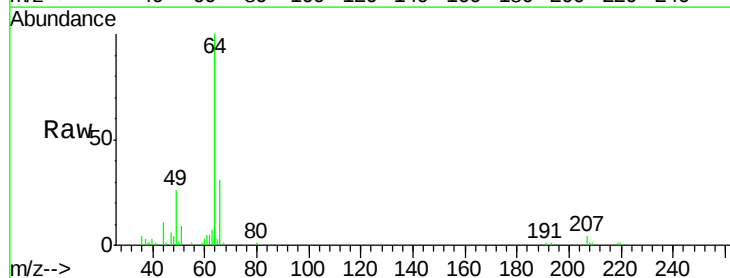
Acq: 24 Jan 2018 14:02

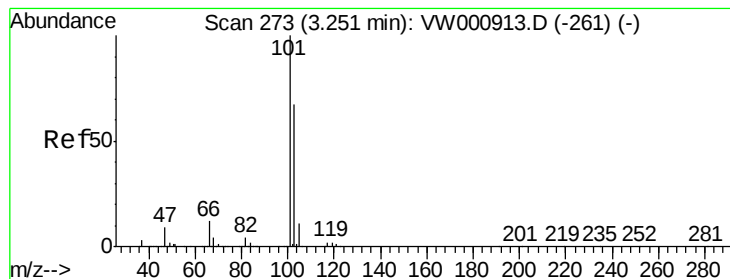
Tgt Ion: 64 Resp: 23732

Ion Ratio Lower Upper

64 100

66 31.1 26.1 39.1





#7

Trichlorofluoromethane

Concen: 20.43 ug/l

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

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ClientSampleId :

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Tot Ion:101 Resp: 76332

Ion Ratio Lower Upper

101 100

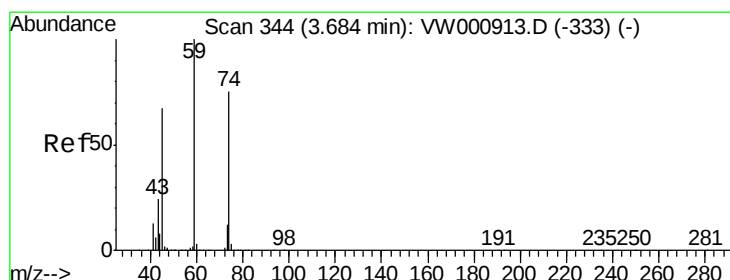
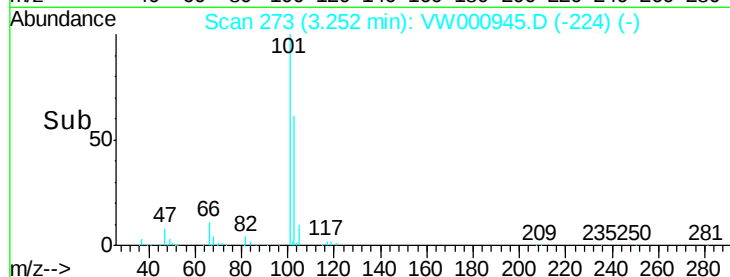
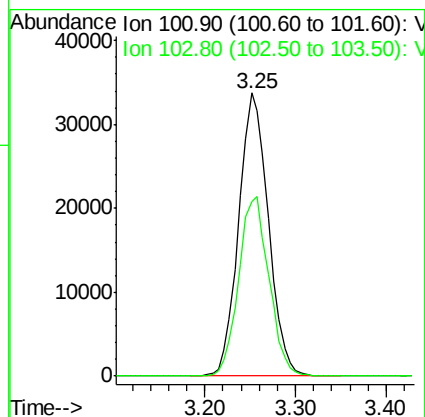
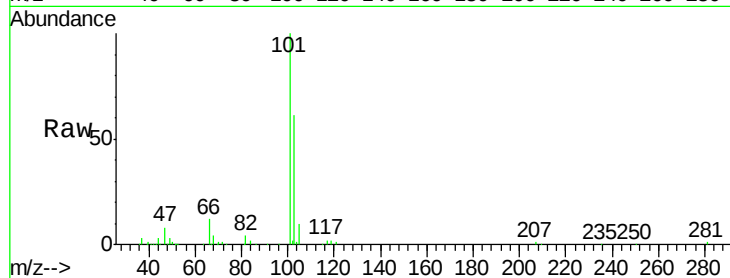
103 61.5 53.4 80.0

Manual Integrations

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#8

Diethyl Ether

Concen: 19.87 ug/l

RT: 3.68 min Scan# 344

Delta R.T. 0.00 min

Lab File: VW000945.D

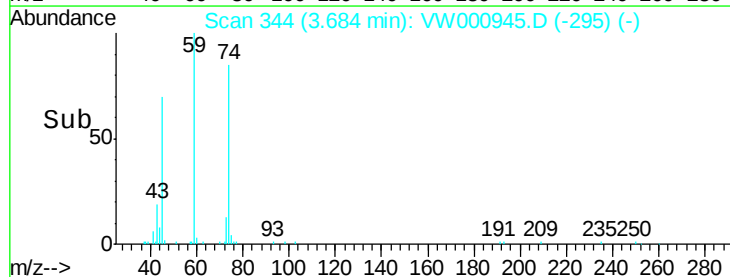
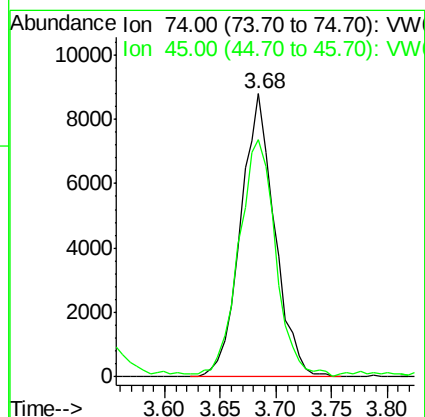
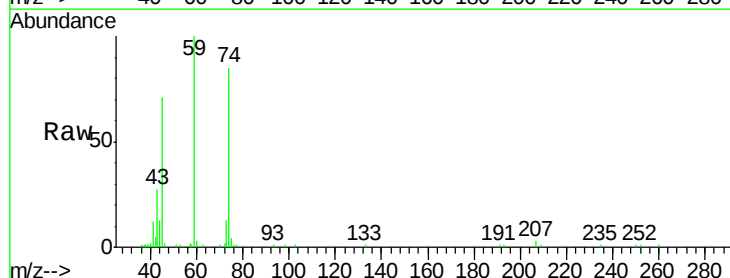
Acq: 24 Jan 2018 14:02

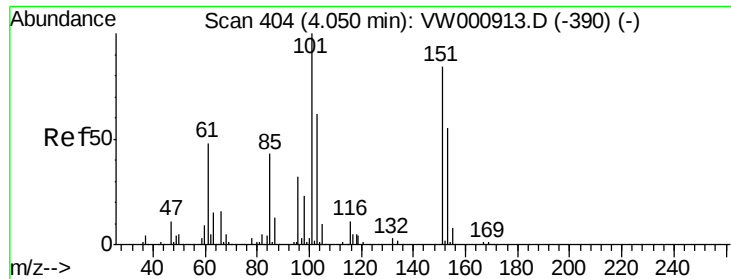
Tgt Ion: 74 Resp: 18592

Ion Ratio Lower Upper

74 100

45 91.9 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.82 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

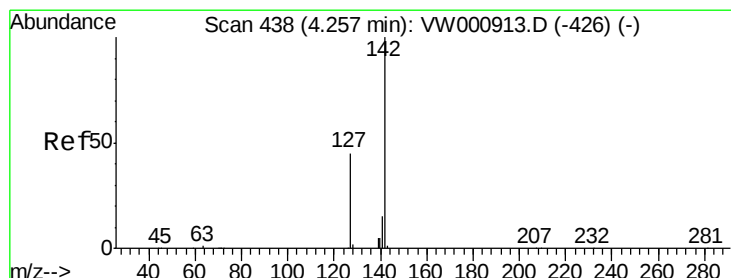
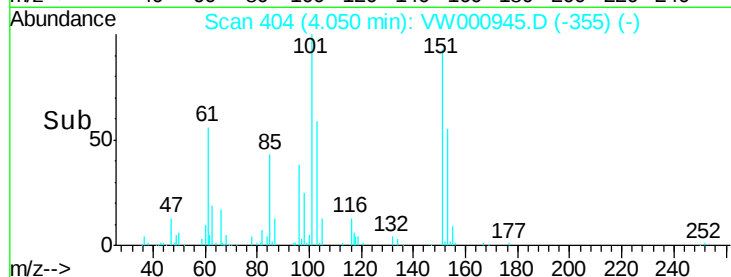
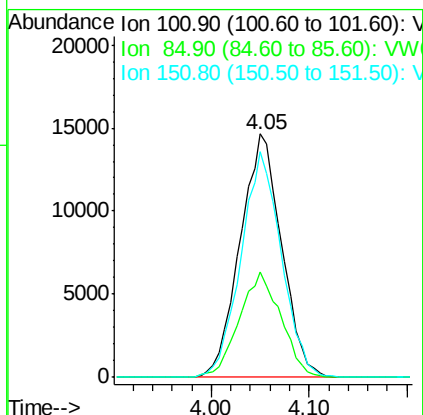
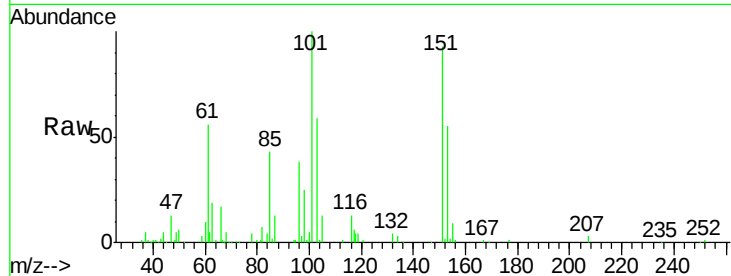
ClientSampleId :

VW0124SBS01

Tot Ion:	101	Resp:	43021
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.3	52.9
151	90.2	69.9	104.9

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#10

Methyl Iodide

Concen: 18.21 ug/l

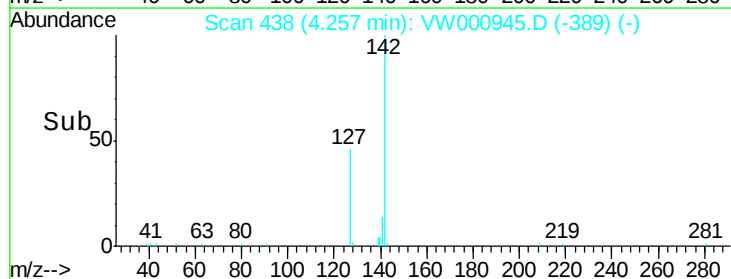
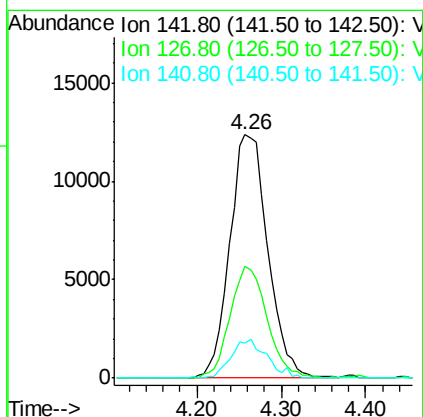
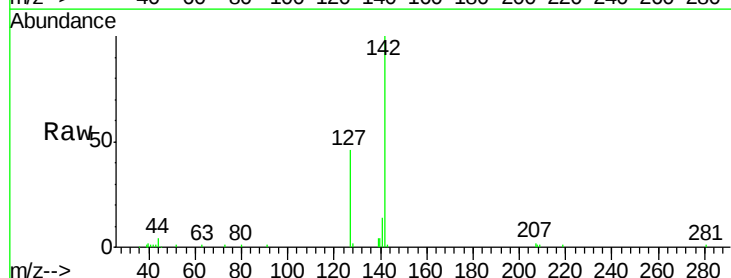
RT: 4.26 min Scan# 438

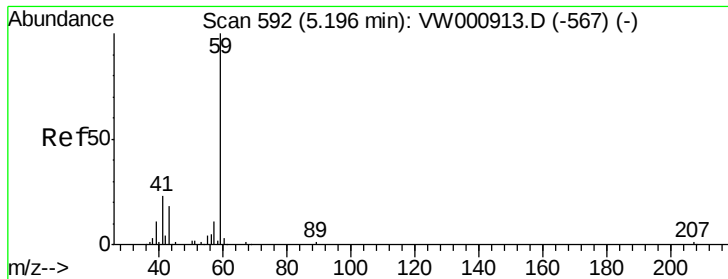
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	142	Resp:	37853
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.5	53.3
141	15.0	11.7	17.5





#11

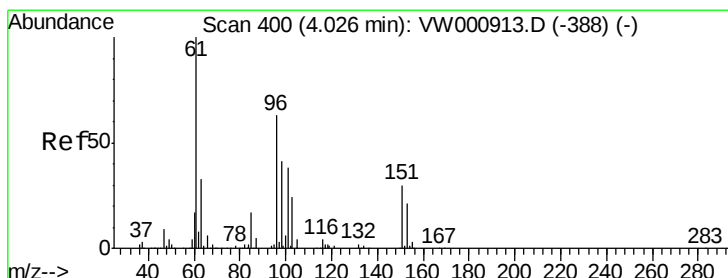
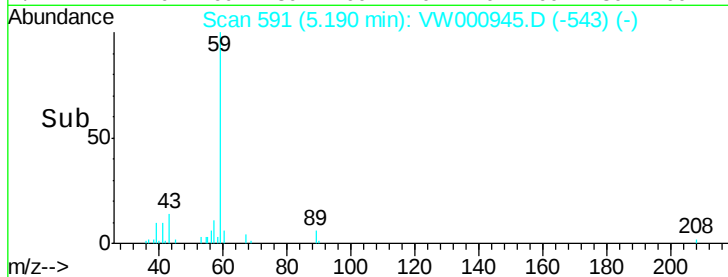
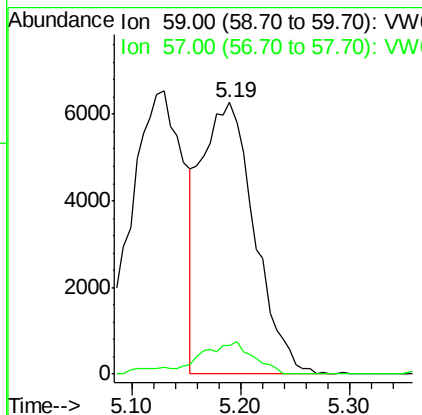
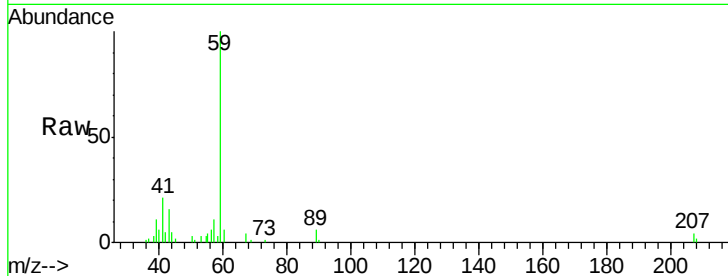
Tert butyl alcohol
Concen: 79.89 ug/l m
RT: 5.19 min Scan# 591
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	21259		
57	57	0.0	7.0	10.6#	

Manual Integrations
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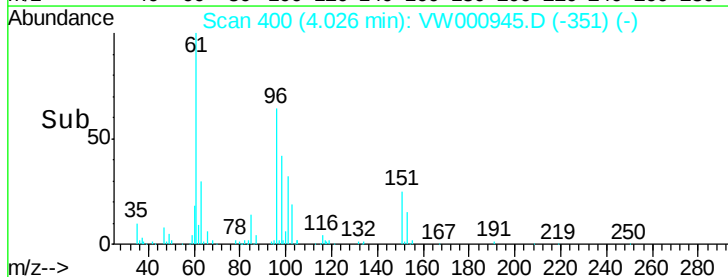
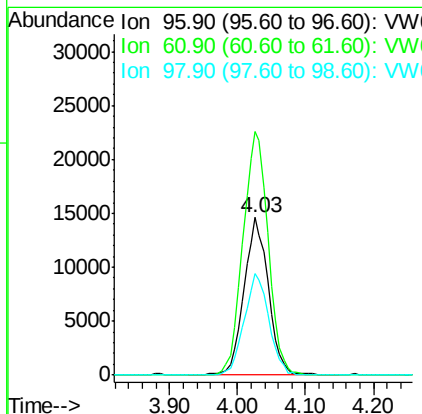
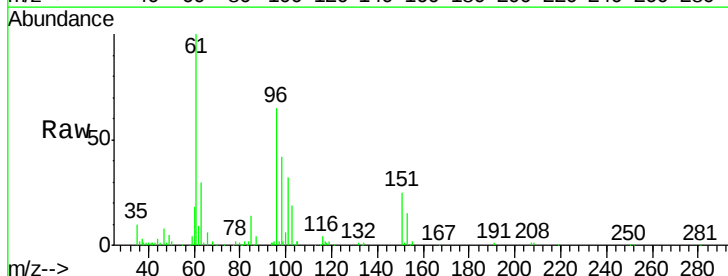
MMDadoda
1/25/2018 1:33:57 PM

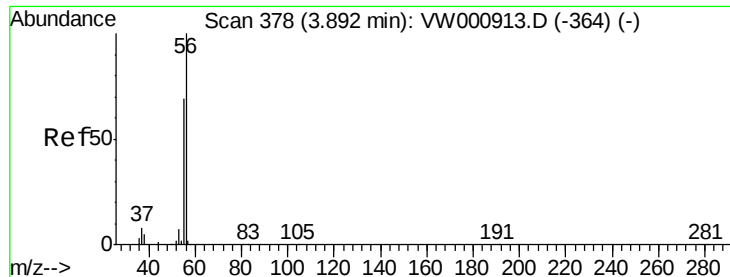


#12

1,1-Dichloroethene
Concen: 17.55 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	36409		
61	61	154.5	126.7	190.1	
98	98	64.9	52.1	78.1	





#13

Acrolein

Concen: 67.21 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion: 56 Resp: 17463

Ion Ratio Lower Upper

56 100

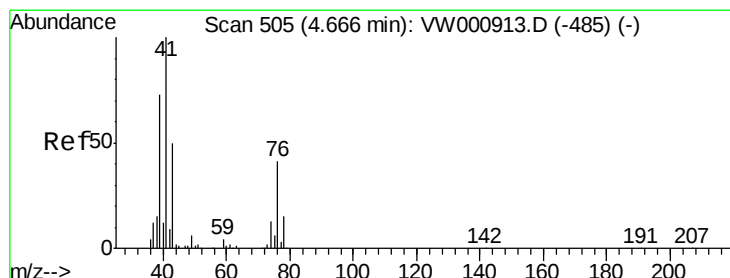
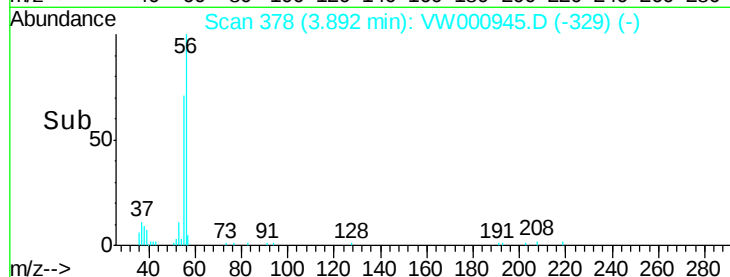
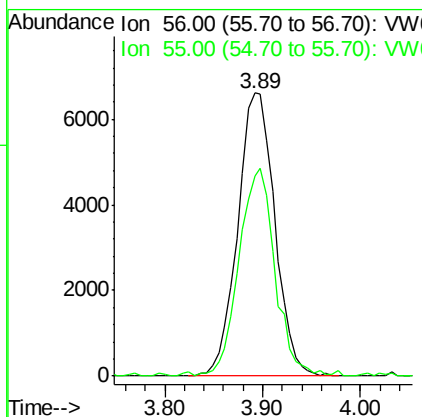
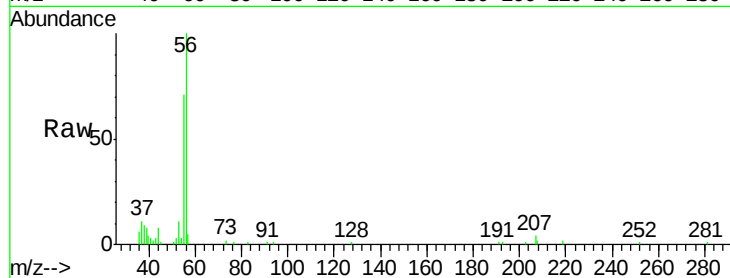
55 71.6 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.57 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

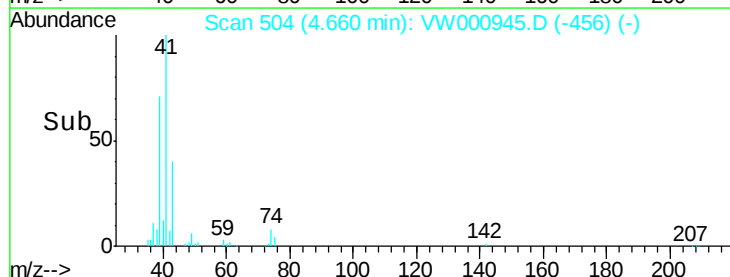
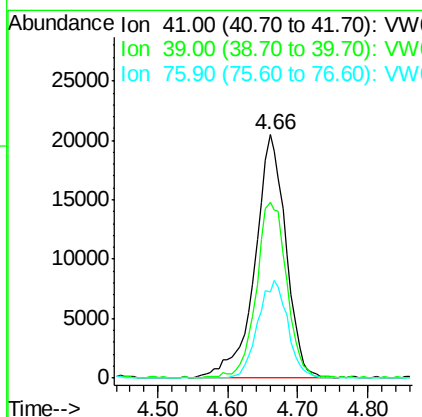
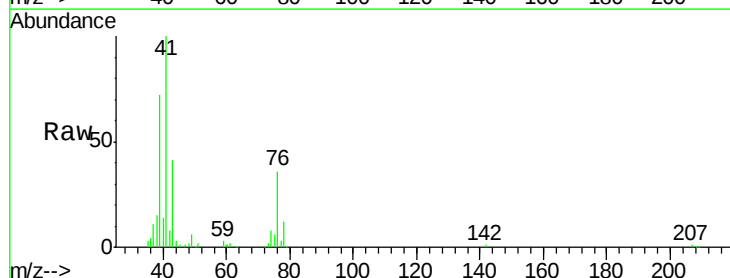
Tgt Ion: 41 Resp: 63252

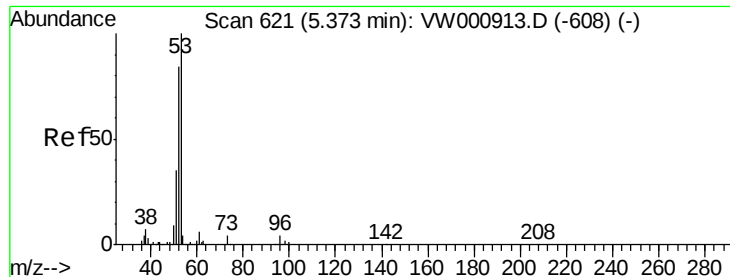
Ion Ratio Lower Upper

41 100

39 70.9 55.3 82.9

76 38.3 29.9 44.9





#15

Acrylonitrile

Concen: 91.24 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

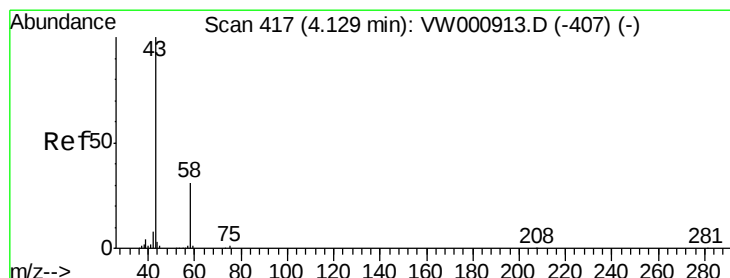
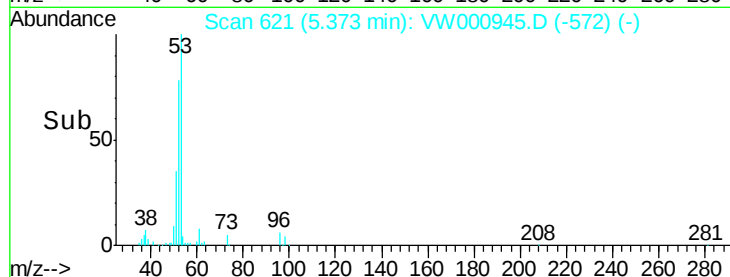
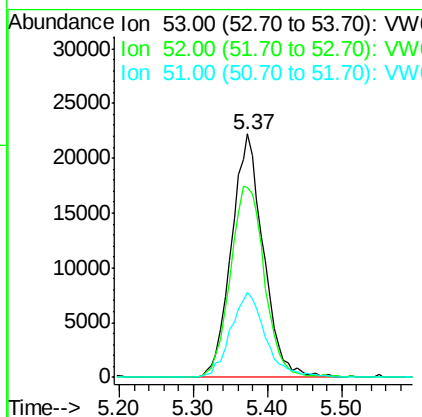
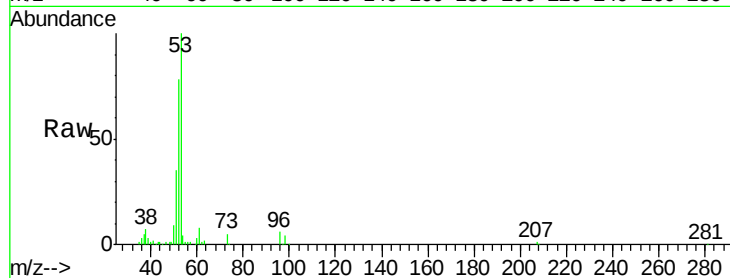
ClientSampleId :

VW0124SBS01

Tot Ion:	53	Resp:	66700
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	99.8
51	37.9	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 74.47 ug/l

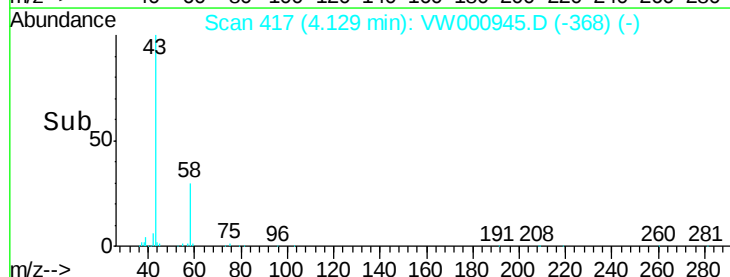
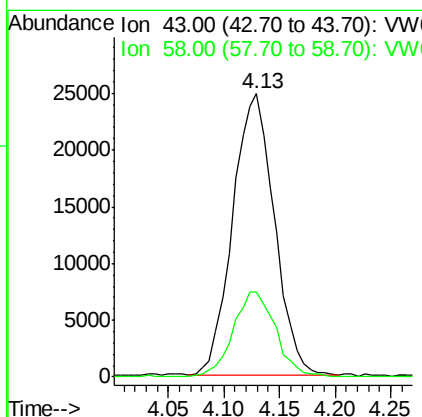
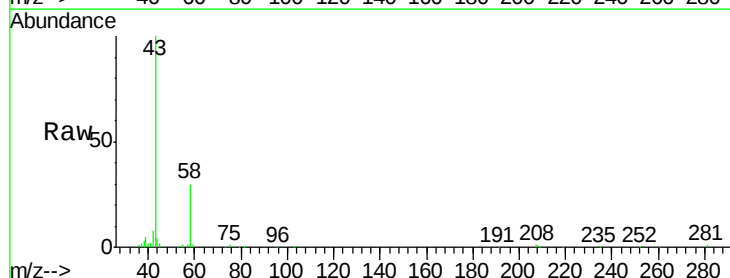
RT: 4.13 min Scan# 417

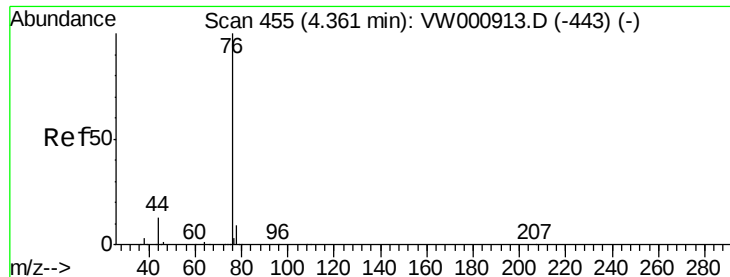
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	43	Resp:	64702
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.9	37.3





#17

Carbon Disulfide

Concen: 19.04 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampled :

VW0124SBS01

Tot Ion: 76 Resp: 130462

Ion Ratio Lower Upper

76 100

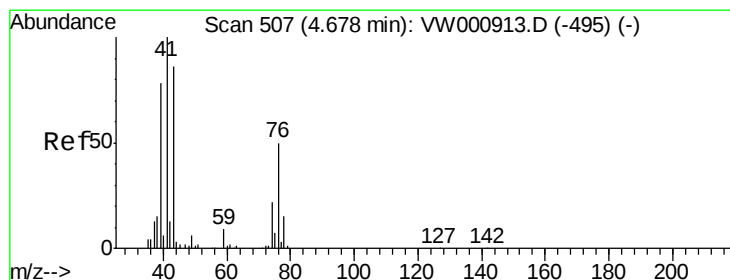
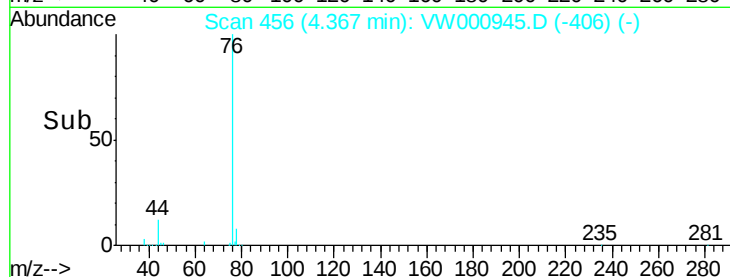
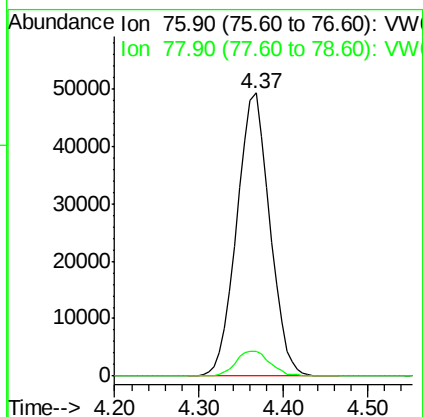
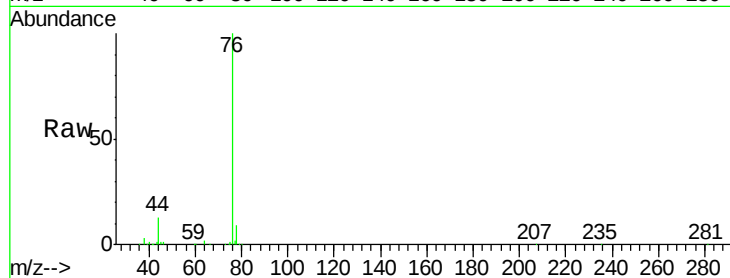
78 8.9 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 16.62 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW000945.D

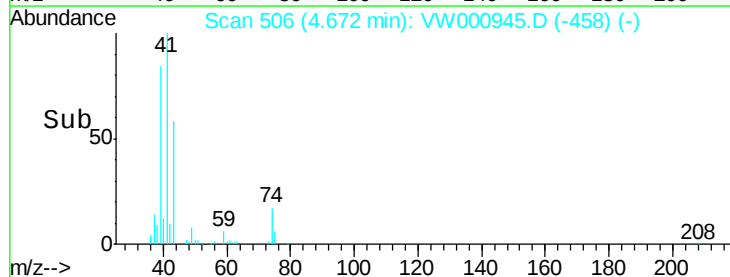
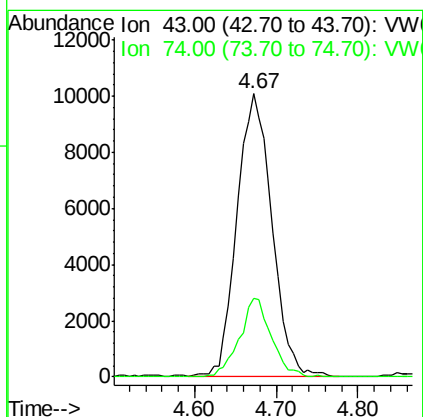
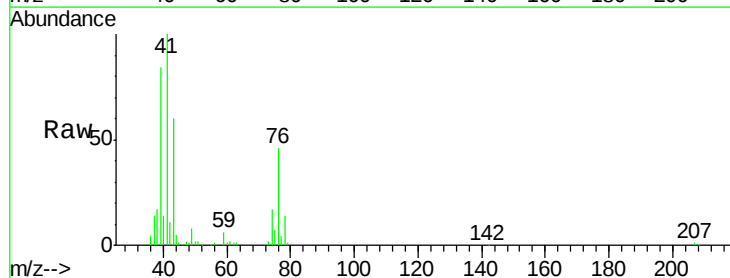
Acq: 24 Jan 2018 14:02

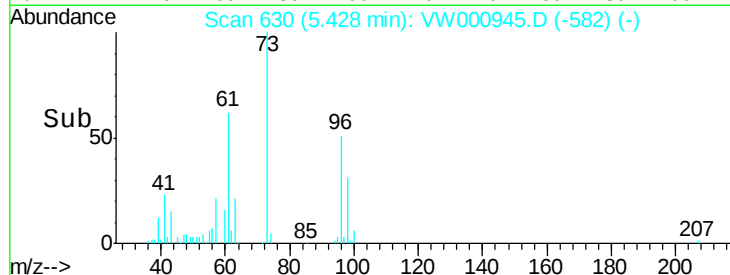
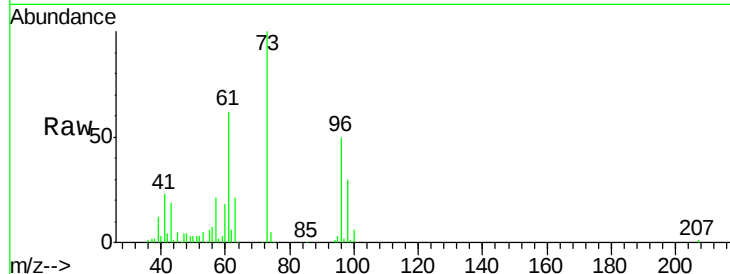
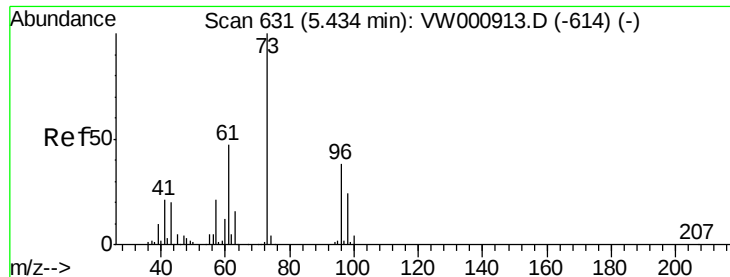
Tgt Ion: 43 Resp: 29993

Ion Ratio Lower Upper

43 100

74 25.1 20.5 30.7





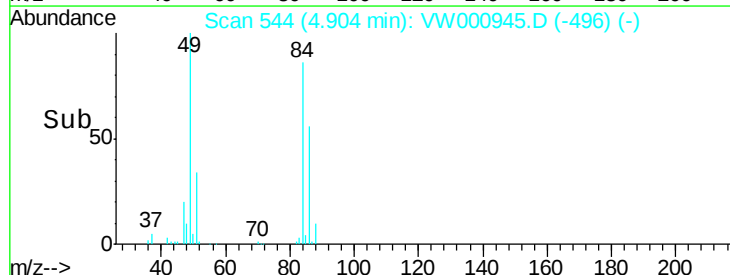
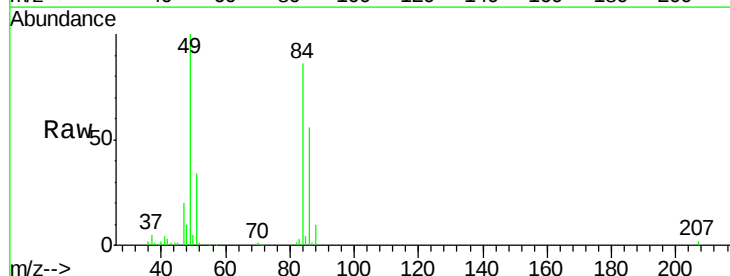
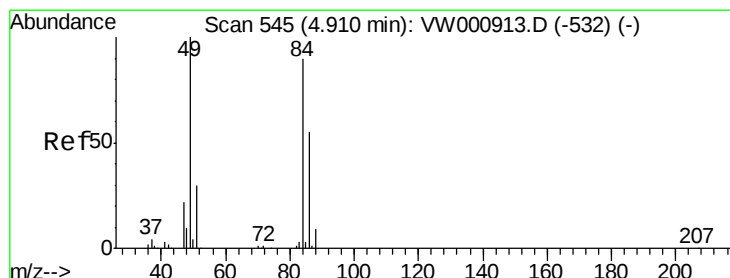
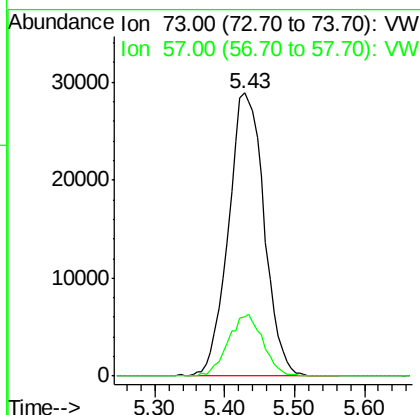
#19
Methvl tert-butvl Ether
Concen: 19.17 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tot Ion: 73 Resp: 102175
Ion Ratio Lower Upper
73 100
57 21.0 16.7 25.1

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

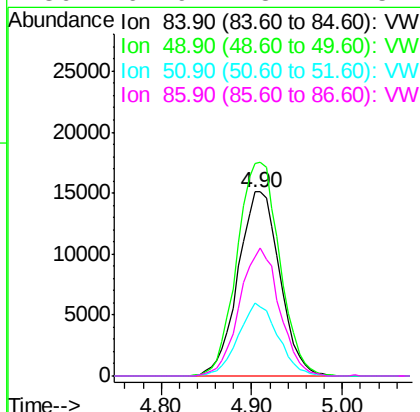
Manual Integrations
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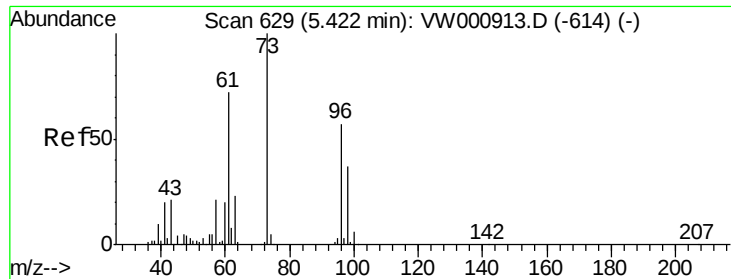
MMDadoda
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#20
Methylene Chloride
Concen: 19.99 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 84 Resp: 48172
Ion Ratio Lower Upper
84 100
49 115.7 89.0 133.4
51 39.4 26.7 40.1
86 64.9 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 19.97 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

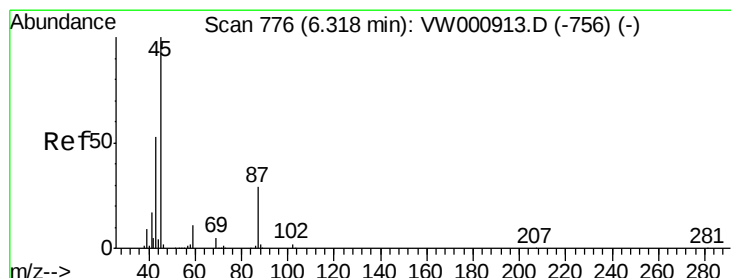
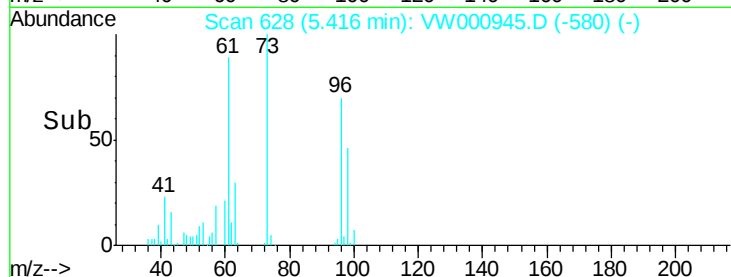
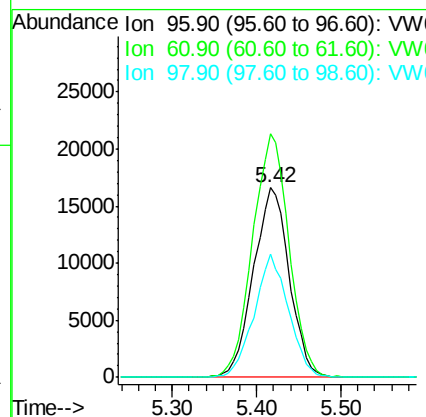
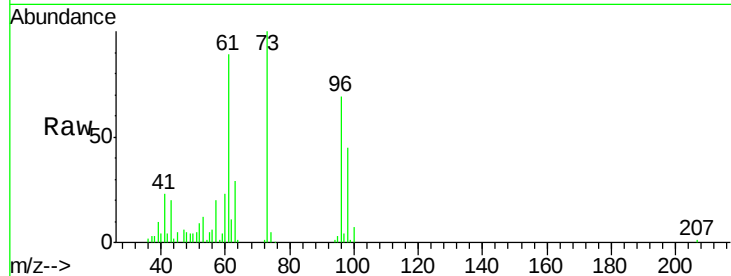
ClientSampleId :

VW0124SBS01

Tot Ion:	96	Resp:	48129
Ion	Ratio	Lower	Upper
96	100		
61	128.7	101.1	151.7
98	65.0	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.45 ug/l

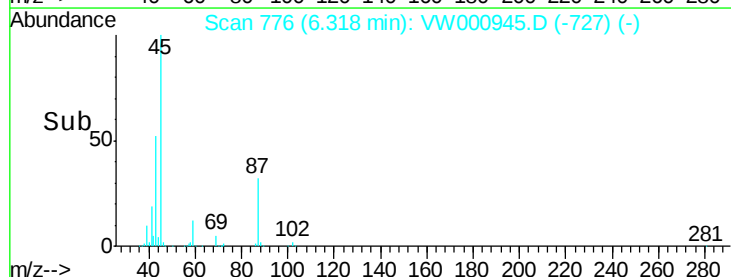
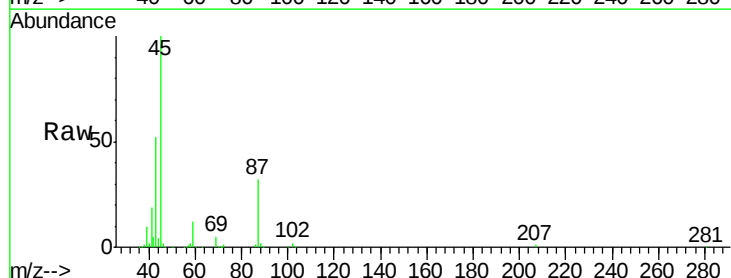
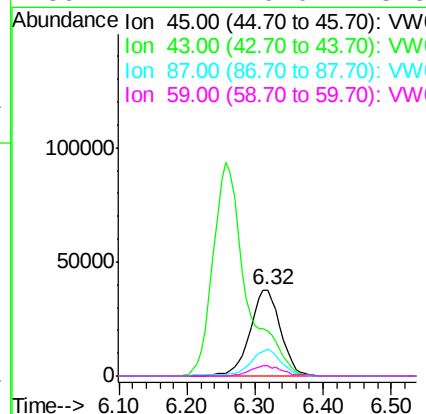
RT: 6.32 min Scan# 776

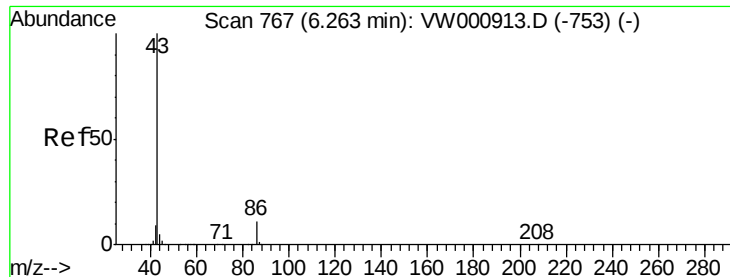
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	45	Resp:	118366
Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.7	64.1
87	32.0	23.8	35.8
59	11.4	9.0	13.6





#23

Vinyl Acetate

Concen: 87.98 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tot Ion: 43 Resp: 316402

Ion Ratio Lower Upper

43 100

86 10.7 9.1 13.7

Instrument :

MSVOA_W

ClientSampled :

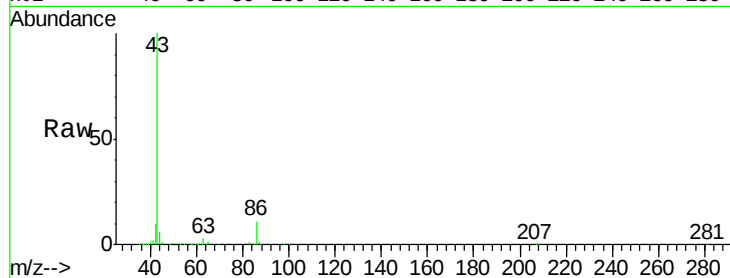
VW0124SBS01

Manual Integrations

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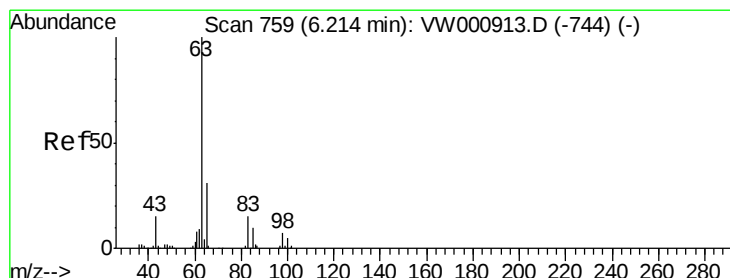
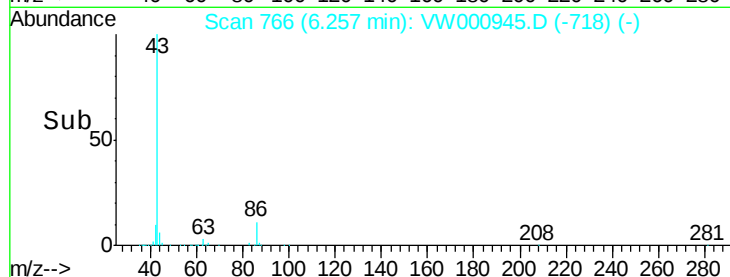
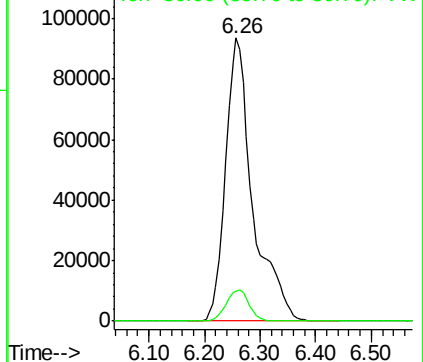
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.29 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

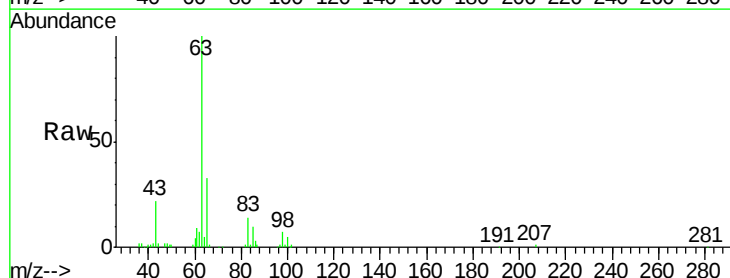
Tgt Ion: 63 Resp: 78598

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

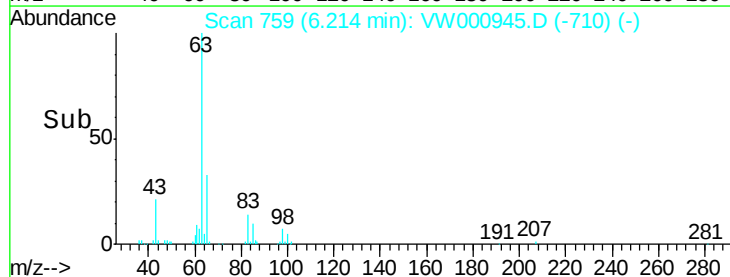
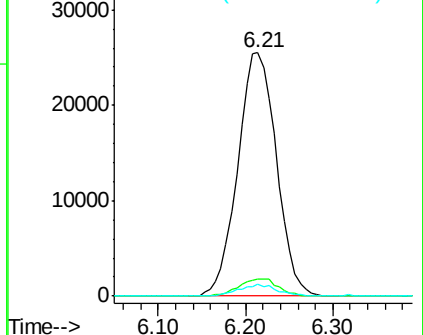
100 4.7 2.5 7.4

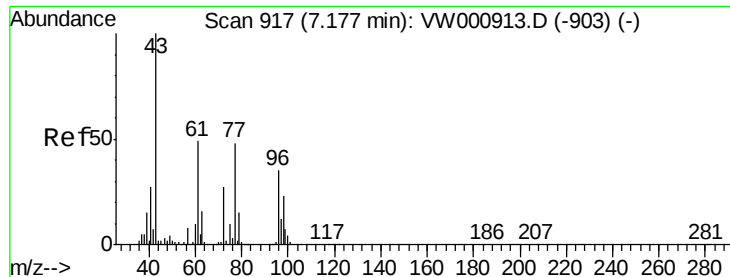


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 82.52 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion: 43 Resp: 89584

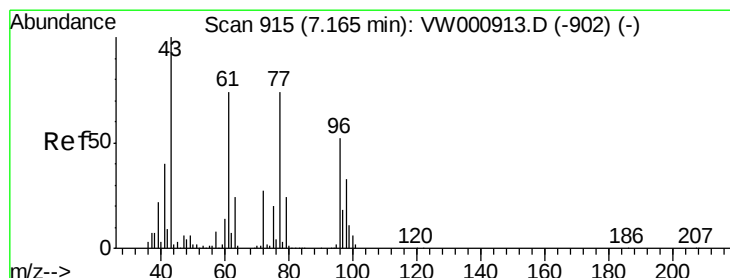
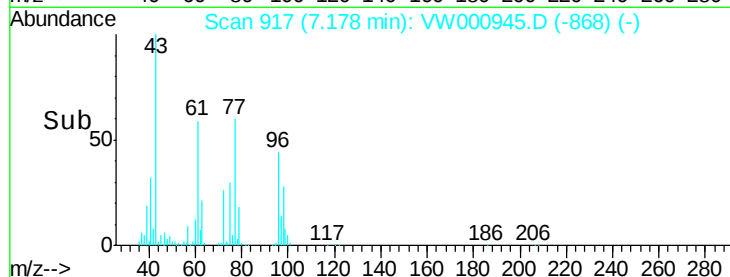
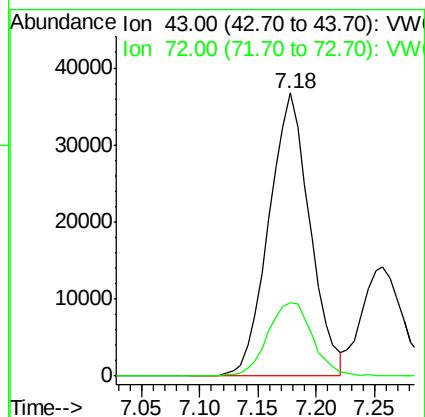
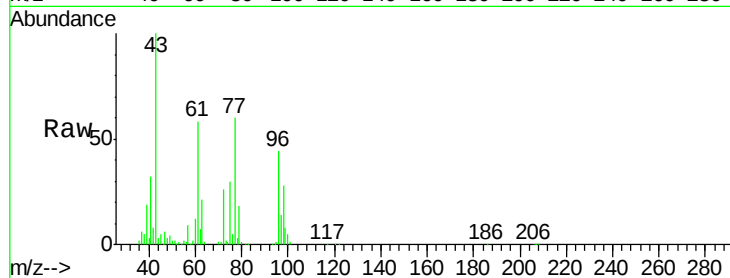
Ion Ratio Lower Upper

43 100

72 25.8 21.5 32.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.88 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW000945.D

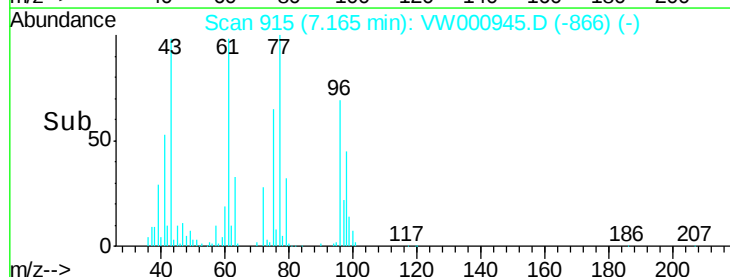
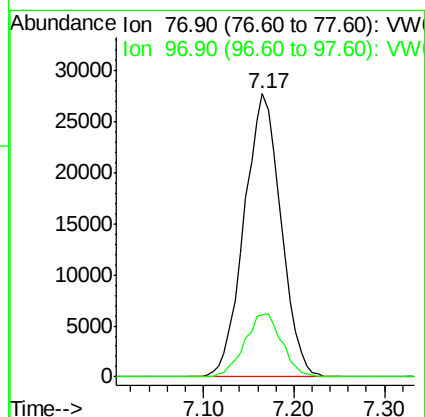
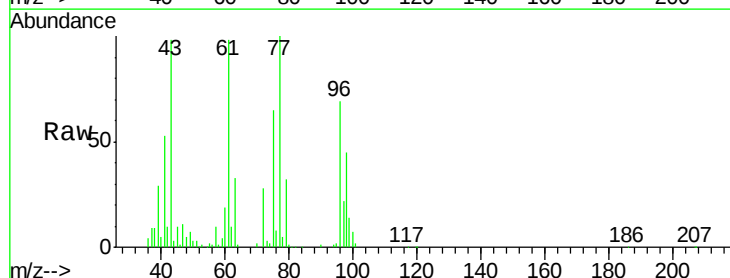
Acq: 24 Jan 2018 14:02

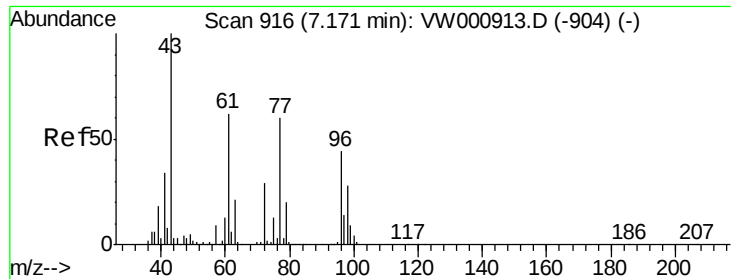
Tgt Ion: 77 Resp: 77974

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.3





#27

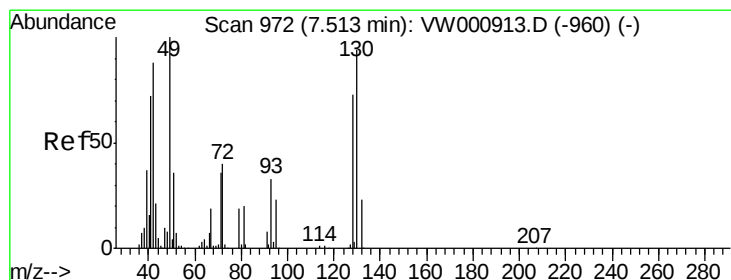
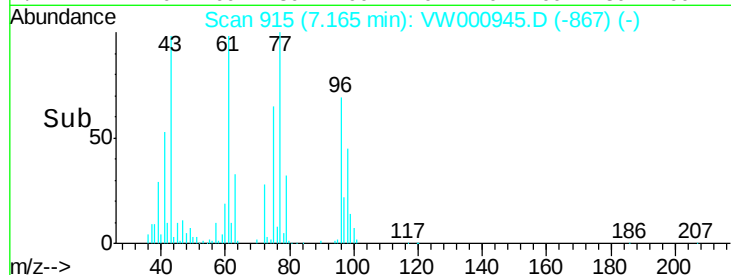
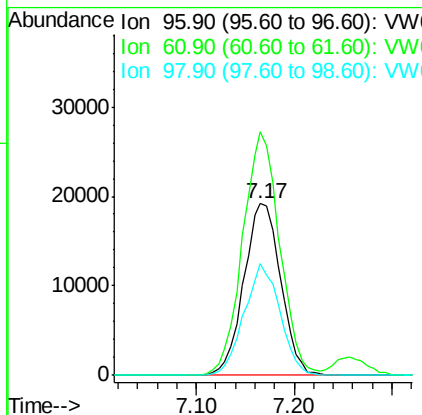
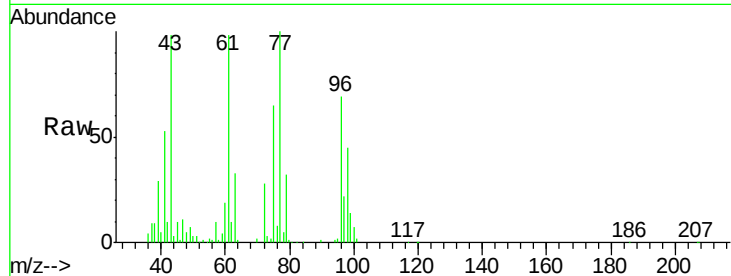
cis-1,2-Dichloroethene
Concen: 20.19 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	279.8
98	63.1	0.0	127.6

Manual Integrations
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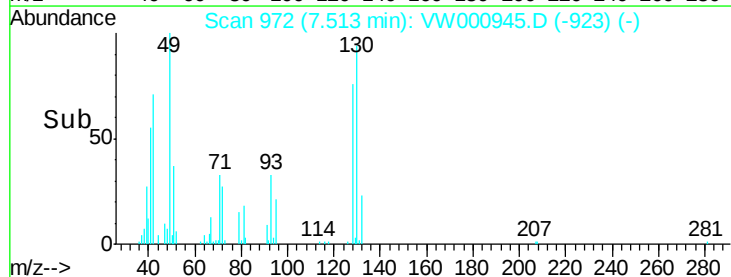
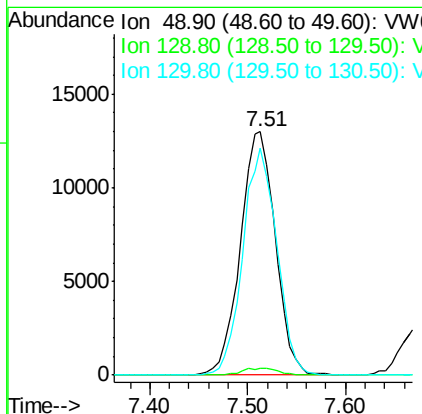
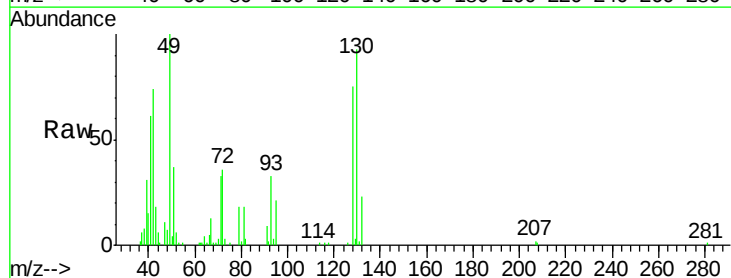
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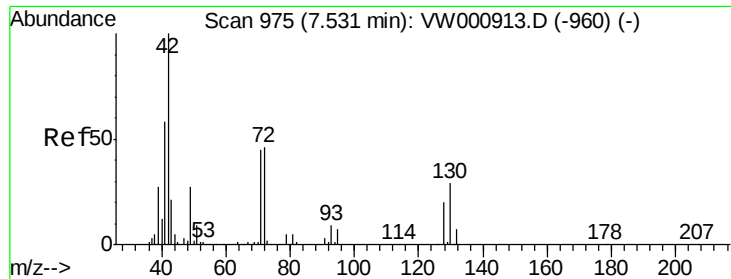


#28

Bromochloromethane
Concen: 19.86 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	2.8#
130	90.4	73.8	110.6





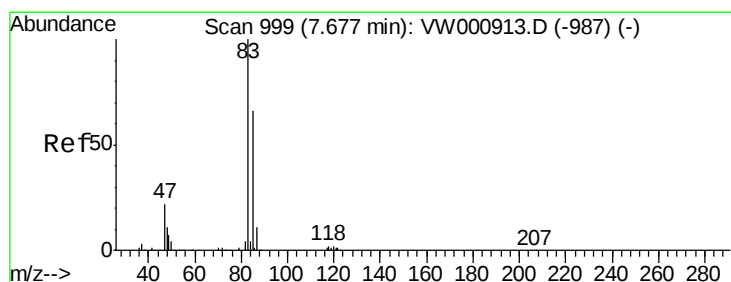
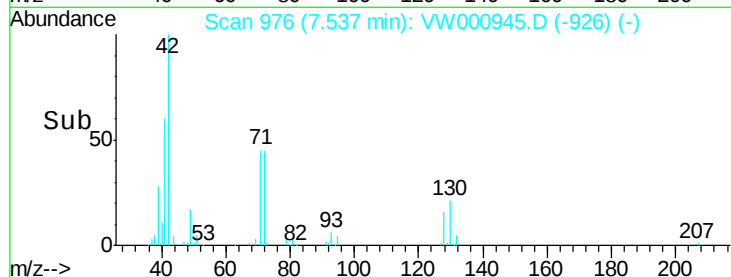
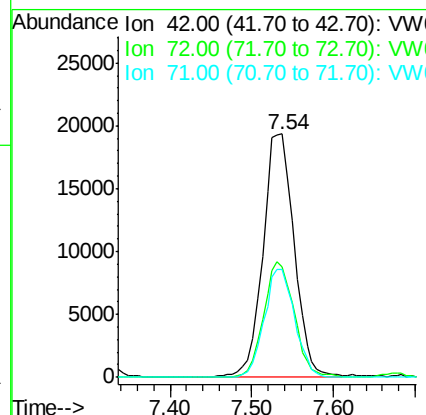
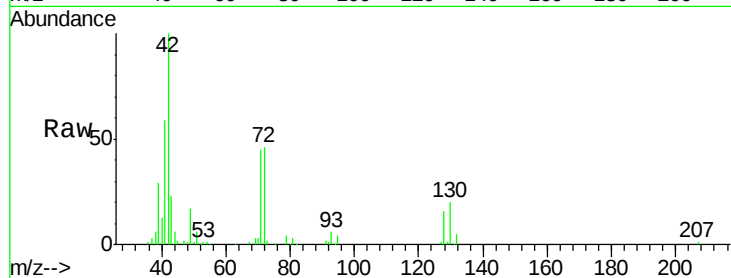
#29
Tetrahydrofuran
Concen: 86.73 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.1	55.7
71	42.9	34.9	52.3

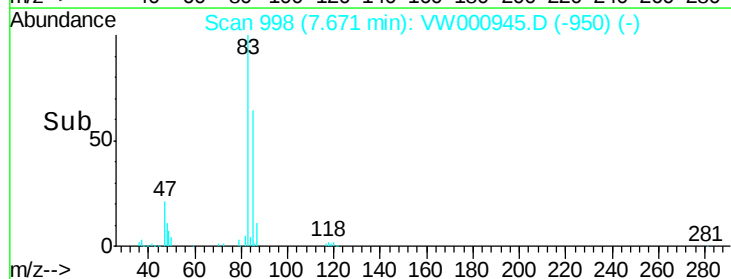
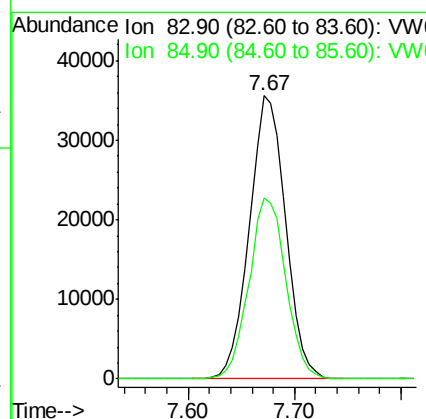
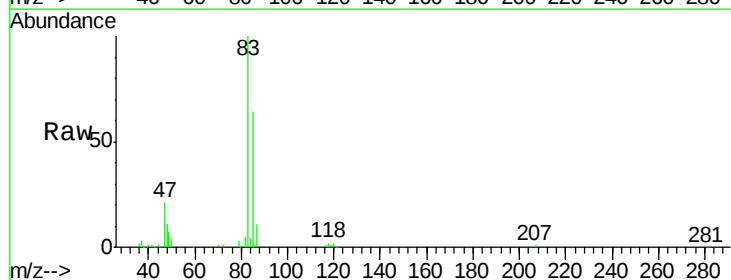
Manual Integrations
APPROVED

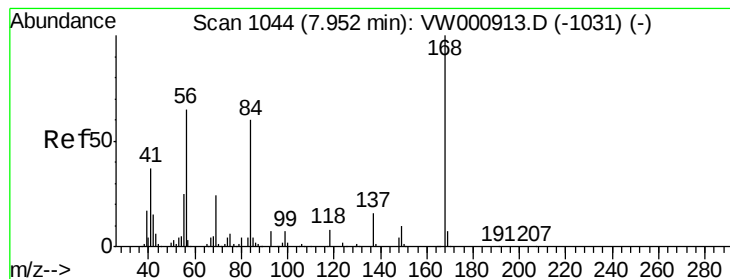
MMDadoda
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#30
Chloroform
Concen: 20.36 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.5	78.7





#31

Cyclohexane

Concen: 19.39 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion: 56 Resp: 77531

Ion Ratio Lower Upper

56 100

69 40.3 29.2 43.8

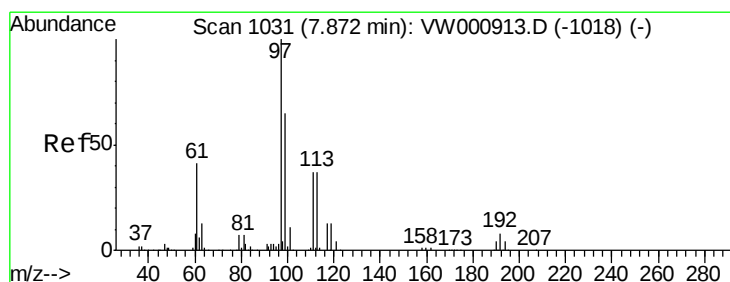
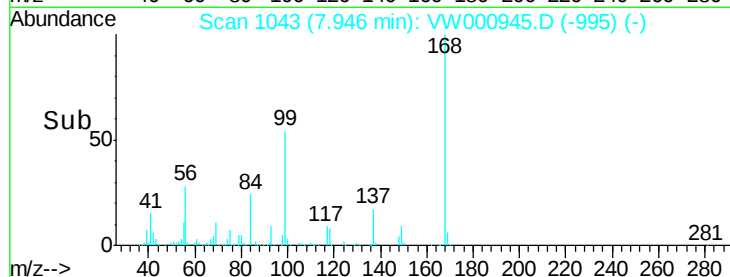
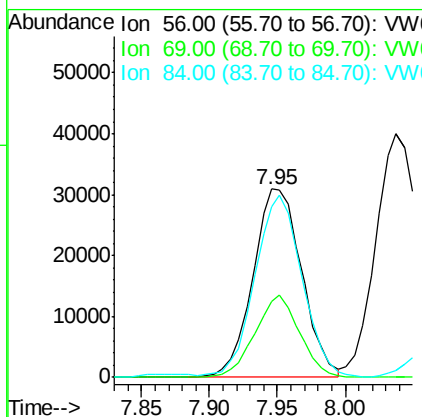
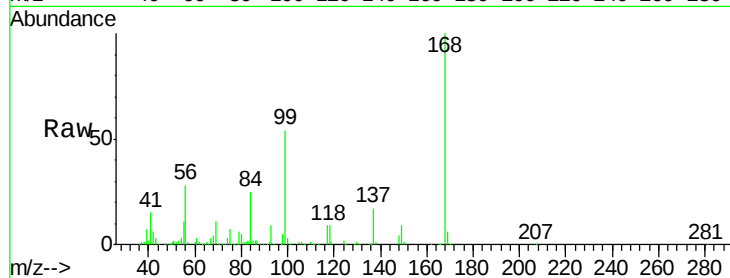
84 89.1 73.6 110.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.21 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

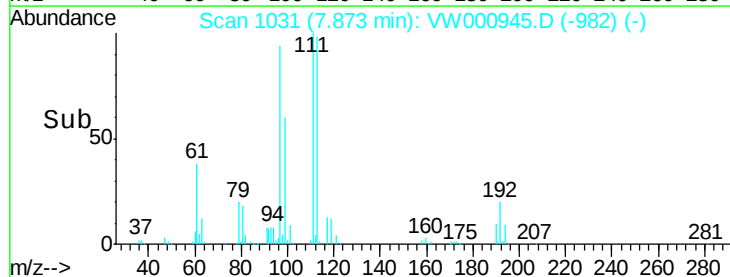
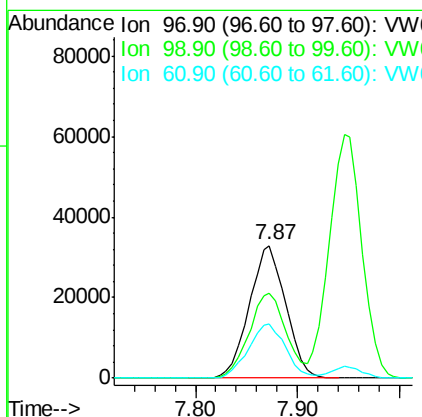
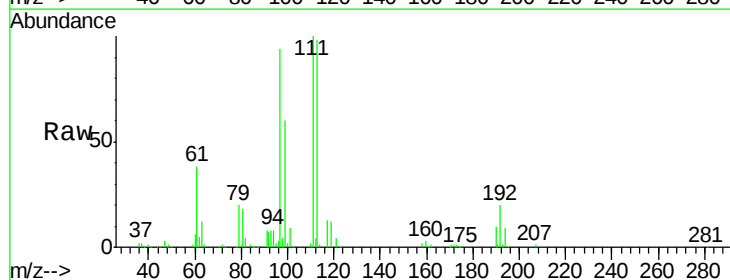
Tgt Ion: 97 Resp: 81624

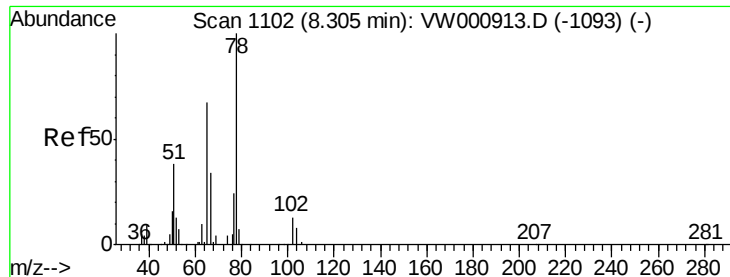
Ion Ratio Lower Upper

97 100

99 66.2 52.6 78.8

61 41.5 32.9 49.3





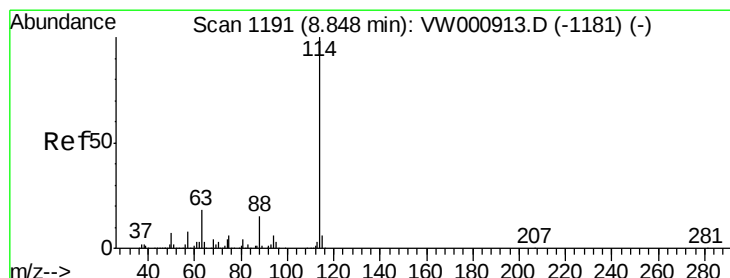
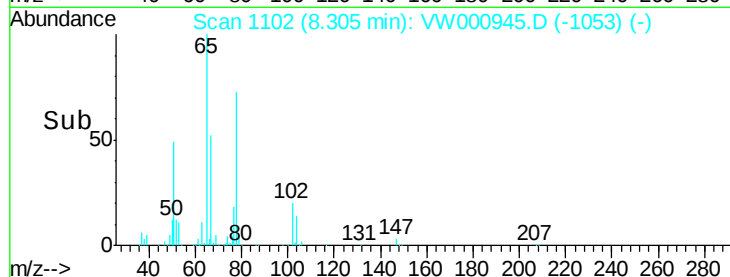
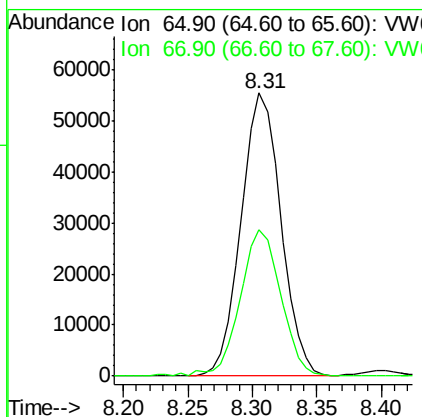
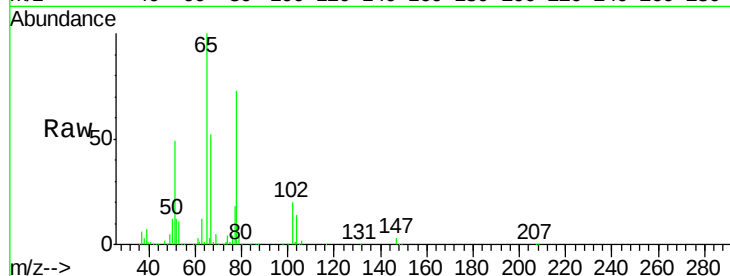
#33
 1,2-Dichloroethane-d4
 Concen: 48.52 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	105.8	

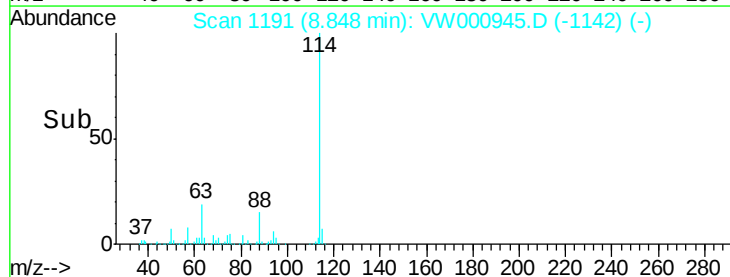
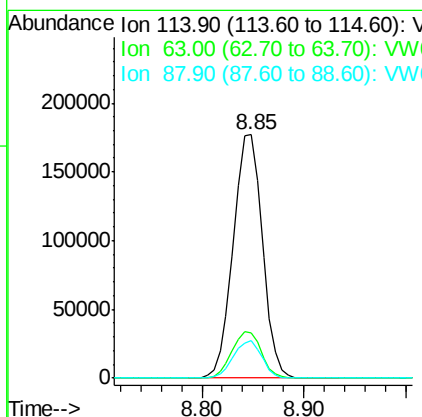
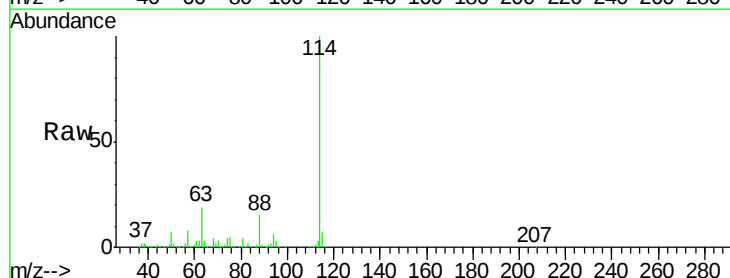
Manual Integrations
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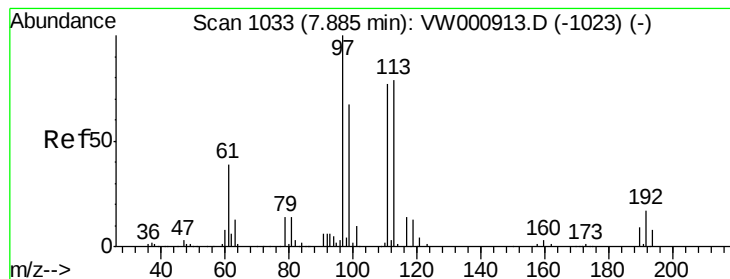
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	36.8	
88	15.2	0.0	29.8	





#35

Dibromofluoromethane

Concen: 49.86 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

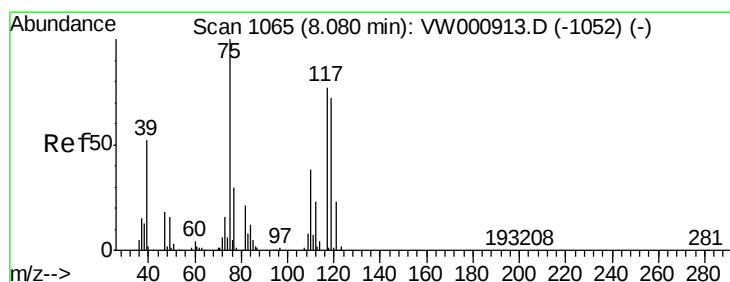
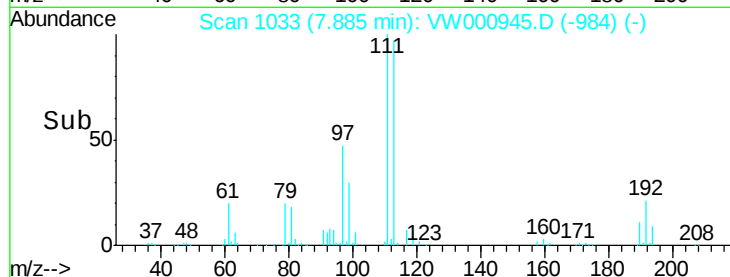
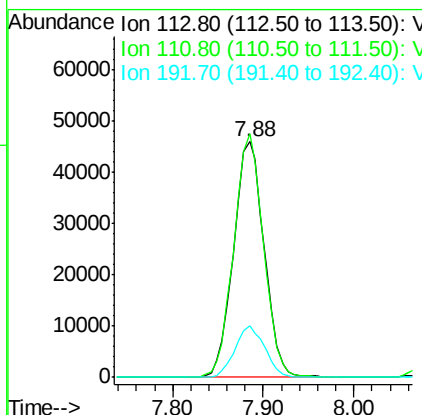
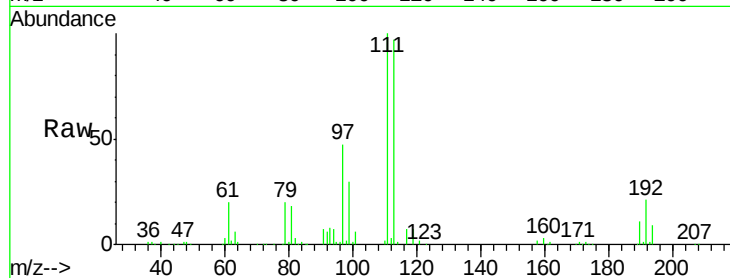
ClientSampleId :

VW0124SBS01

Tot Ion:	113	Resp:	107142
Ion Ratio	Lower	Upper	
113	100		
111	100.5	80.4	120.6
192	21.5	17.0	25.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.58 ug/l

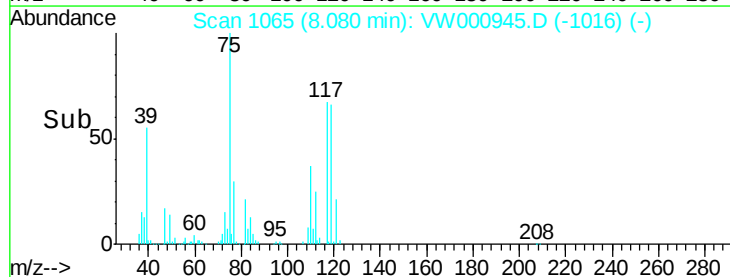
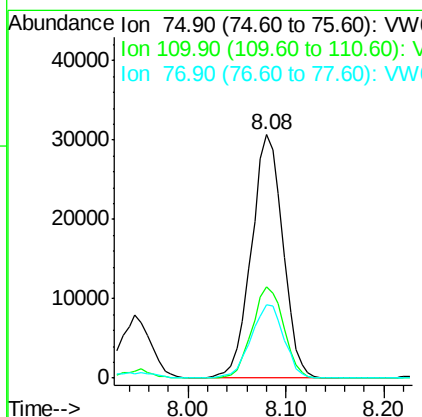
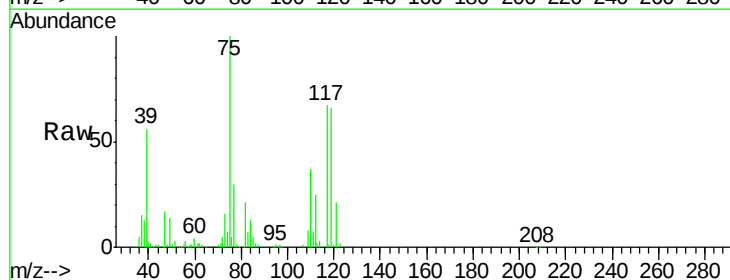
RT: 8.08 min Scan# 1065

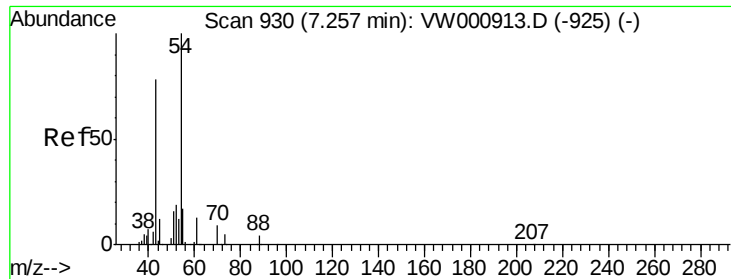
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	75	Resp:	68877
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.6	56.0
77	31.4	24.6	36.8





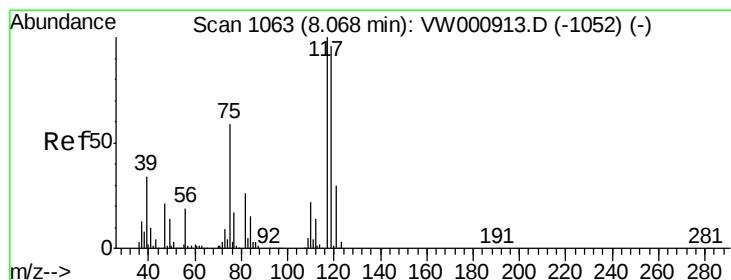
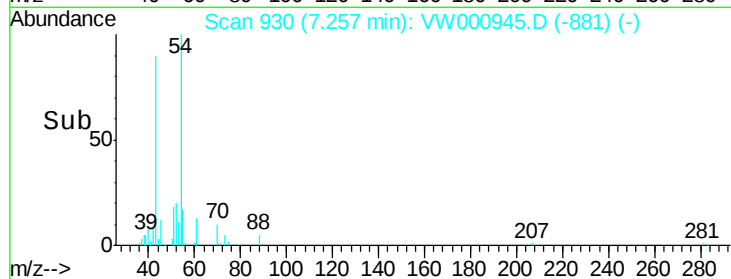
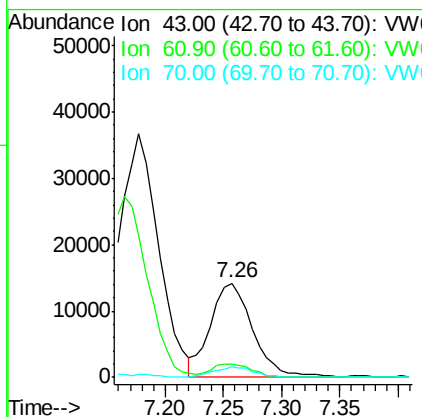
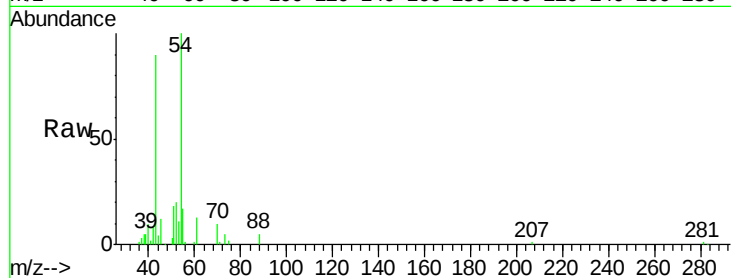
#37
Ethyl Acetate
Concen: 18.80 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	12.1	18.1
70	10.7	9.1	13.7

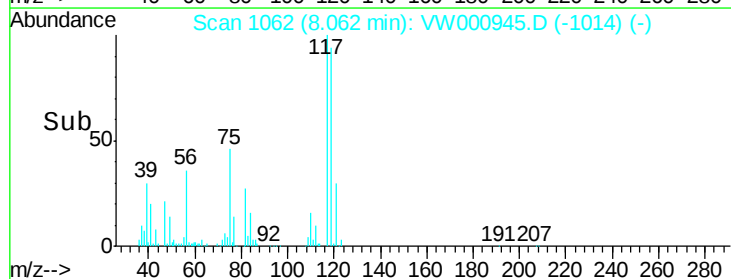
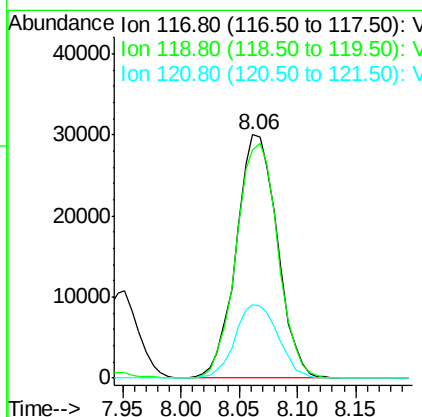
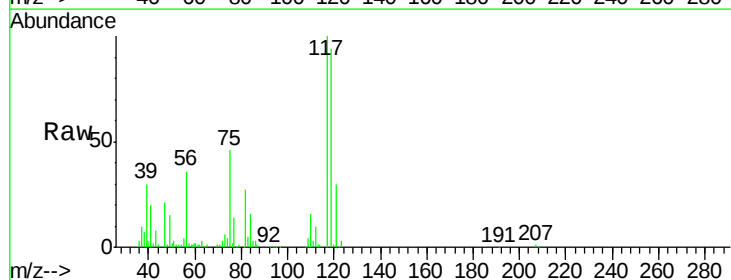
Manual Integrations
APPROVED

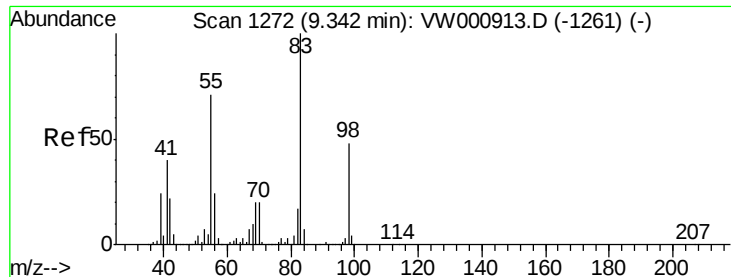
MMDadoda
1/25/2018 1:33:57 PM



#38
Carbon Tetrachloride
Concen: 20.00 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.5	114.7
121	30.4	24.3	36.5





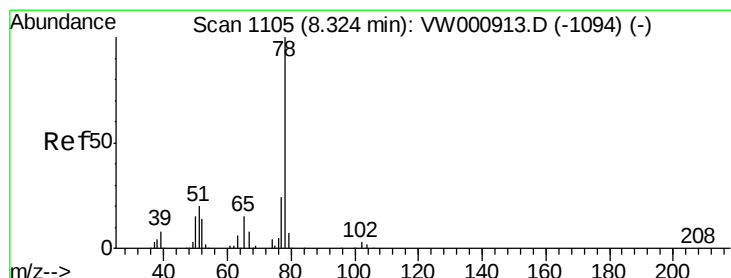
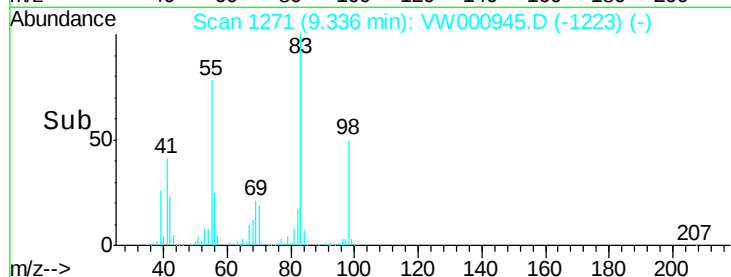
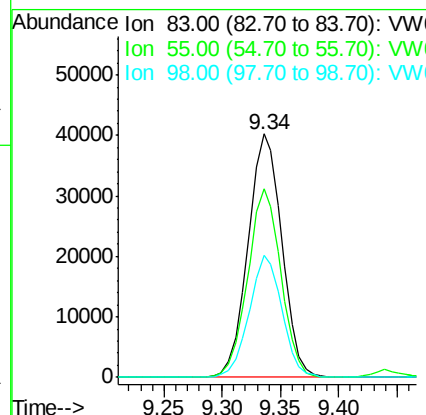
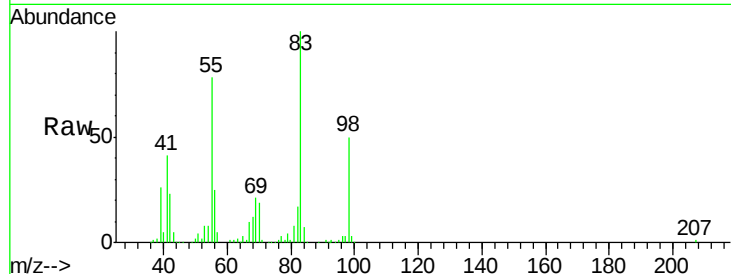
#39
Methvlcvclohexane
Concen: 20.22 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	56.4	84.6
98	49.9	38.2	57.4

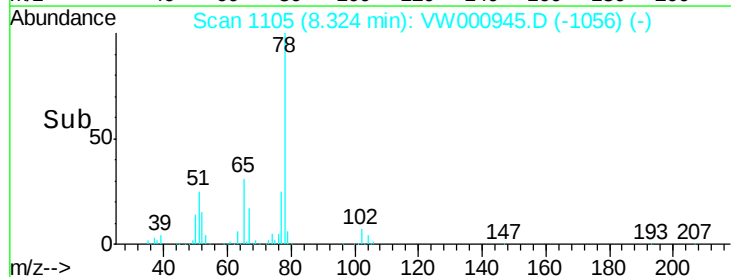
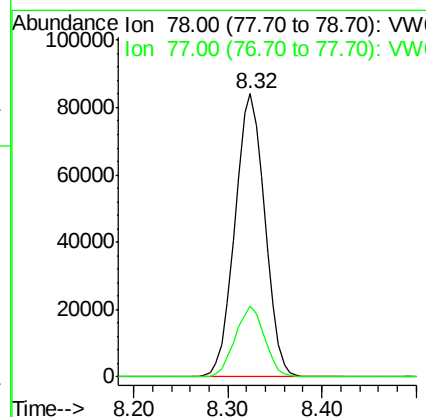
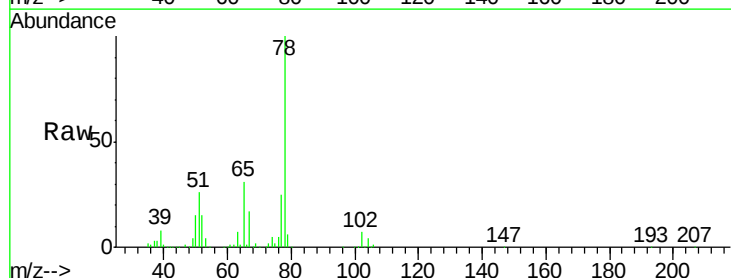
Manual Integrations
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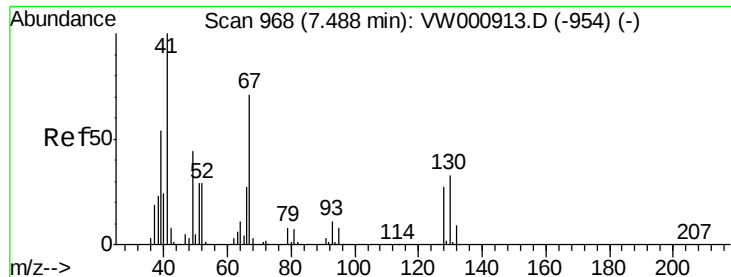
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#40
Benzene
Concen: 20.36 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





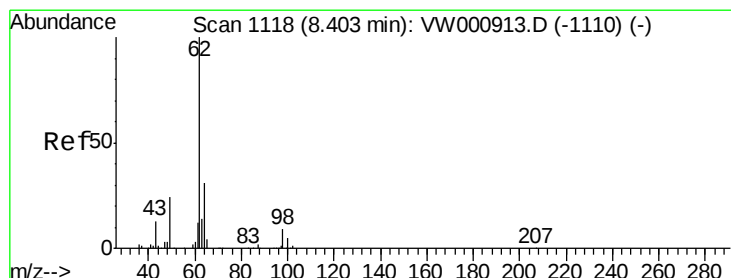
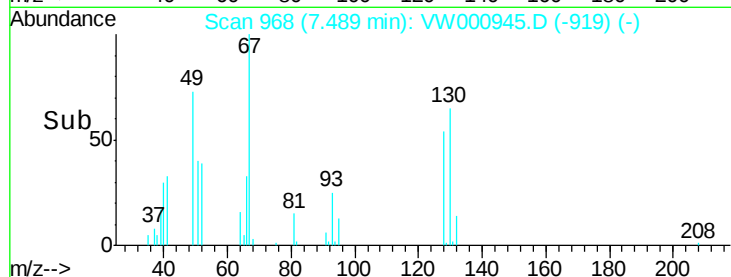
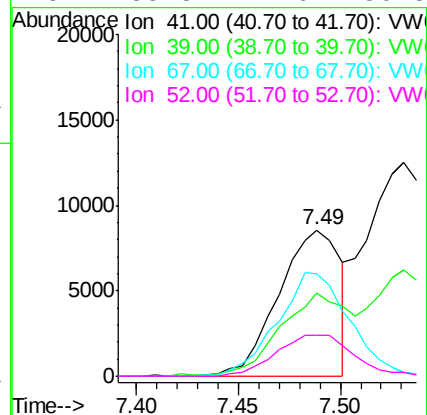
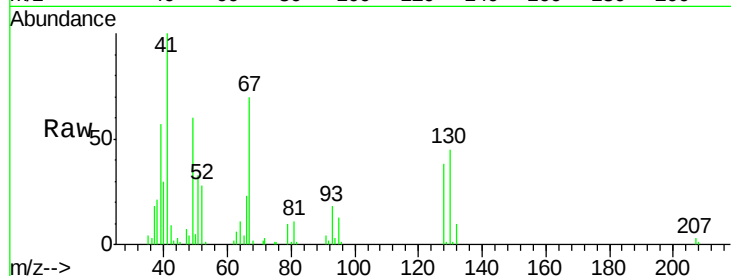
#41
Methacrylonitrile
Concen: 17.01 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.9	43.4	65.0
67	83.0	59.0	88.4
52	35.8	24.6	36.8

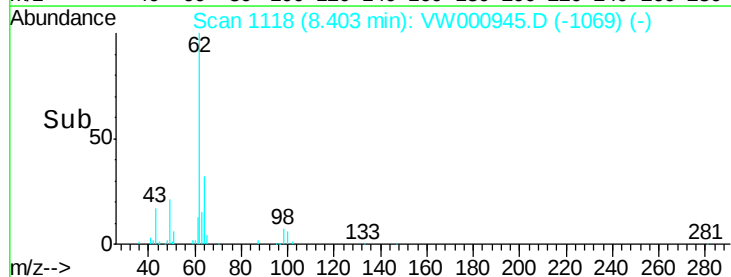
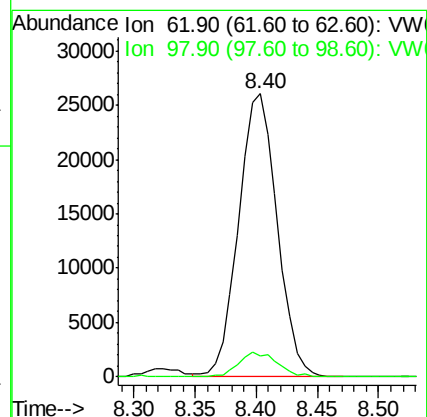
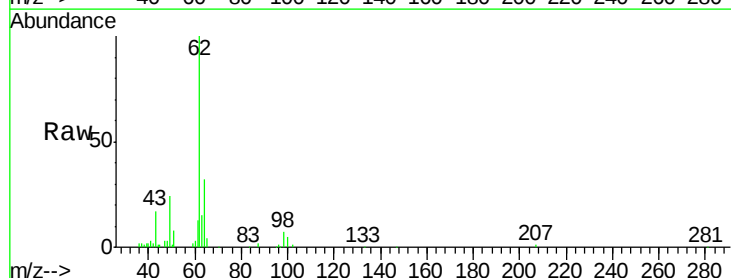
Manual Integrations
APPROVED

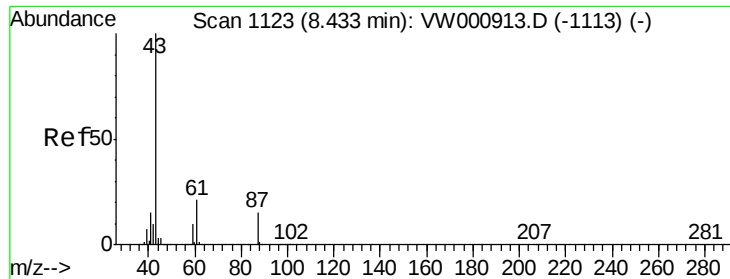
MMDadoda
1/25/2018 1:33:57 PM



#42
1,2-Dichloroethane
Concen: 20.30 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.0





#43

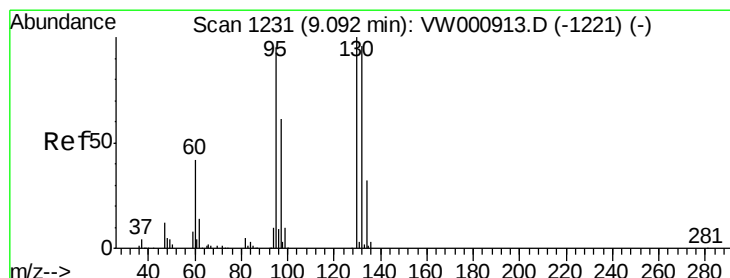
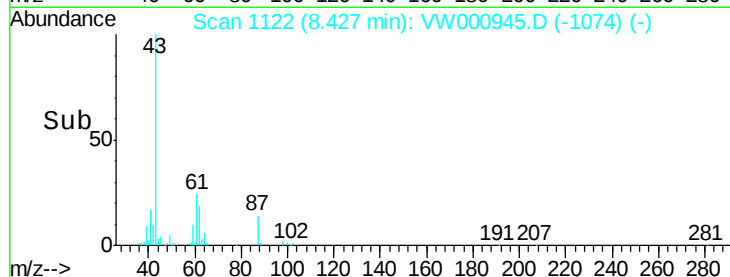
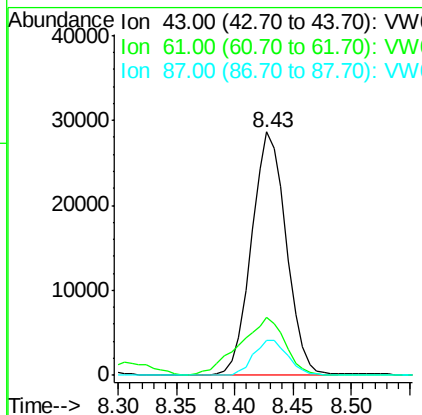
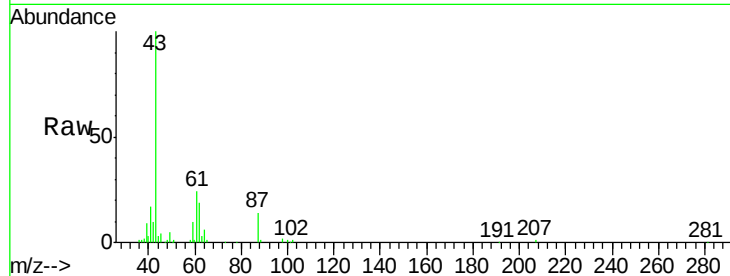
Isopropyl Acetate
 Concen: 18.56 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
61	61	30.7	23.6	35.4
87	87	14.3	11.7	17.5

Manual Integrations
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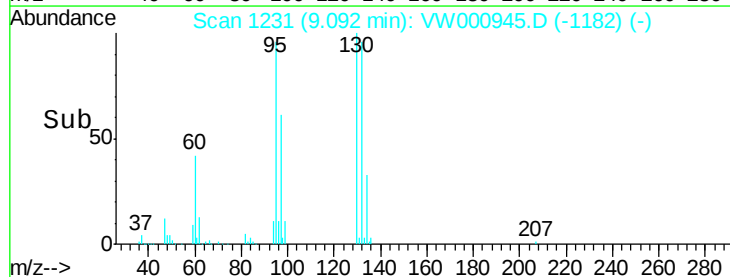
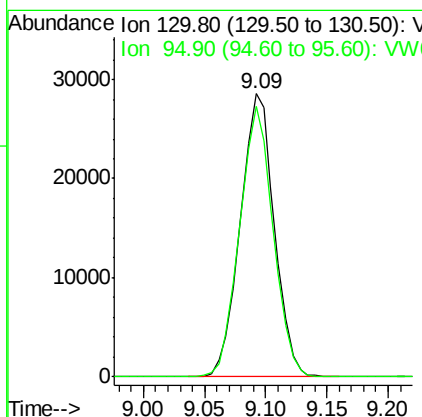
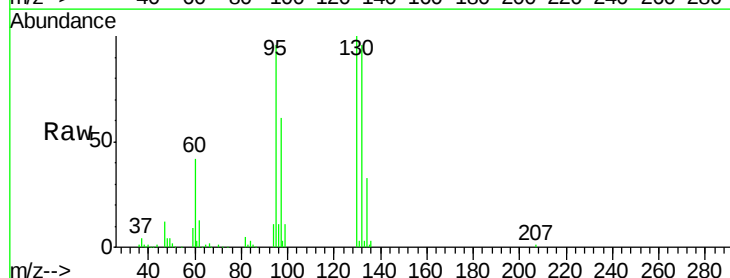
MMDadoda
 1/25/2018 1:33:57 PM

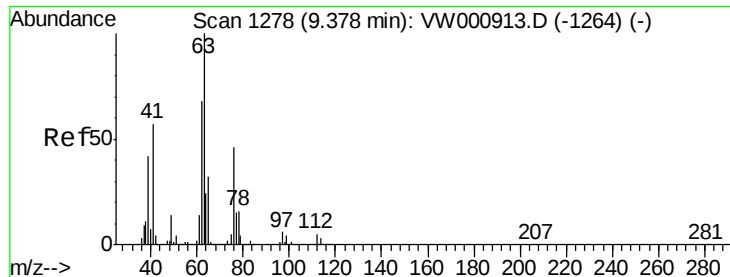


#44

Trichloroethene
 Concen: 20.35 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
130	130	100		
95	95	95.5	0.0	190.4





#45

1,2-Dichloropropane

Concen: 20.47 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion: 63 Resp: 43463

Ion Ratio Lower Upper

63 100

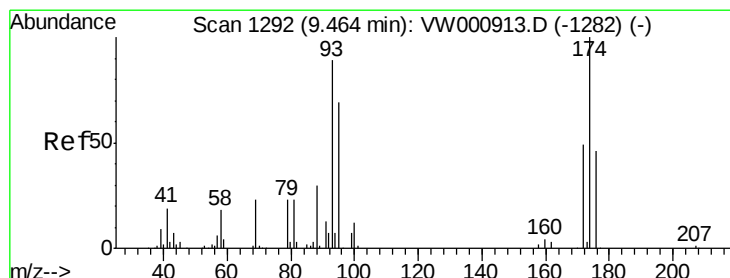
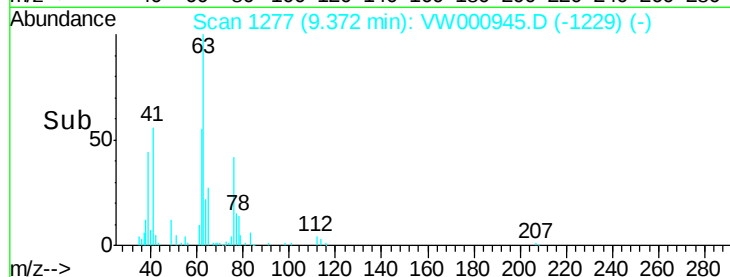
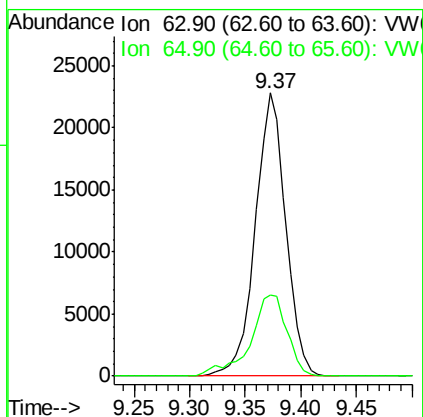
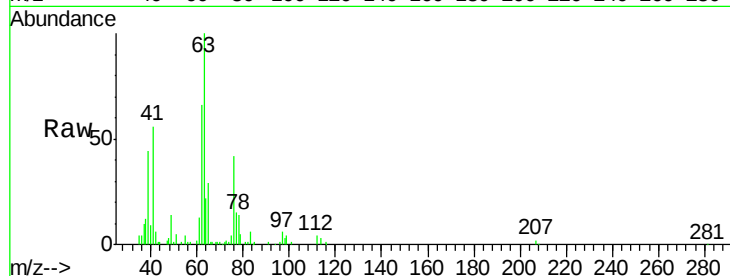
65 28.5 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 19.60 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

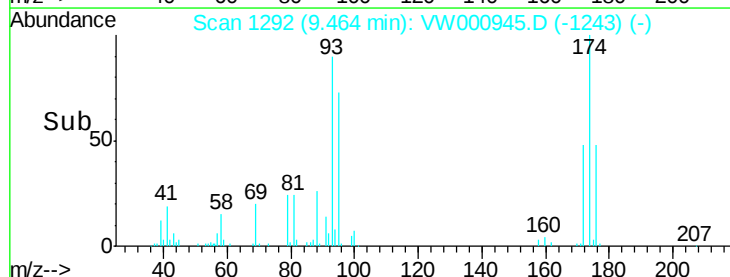
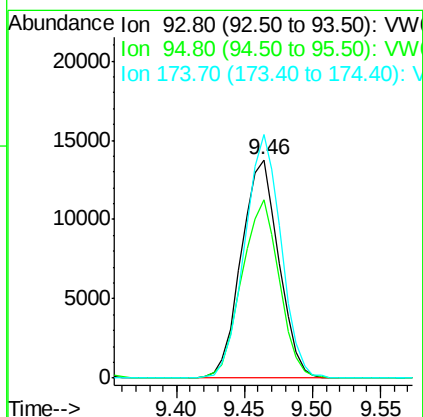
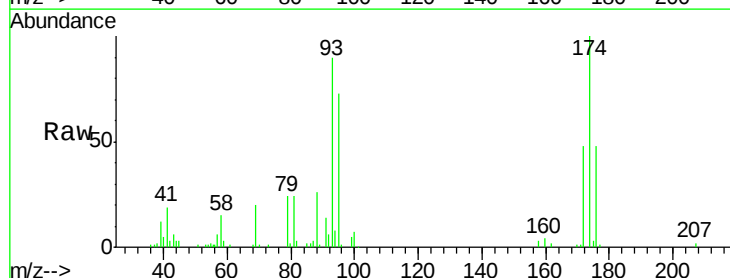
Tgt Ion: 93 Resp: 26585

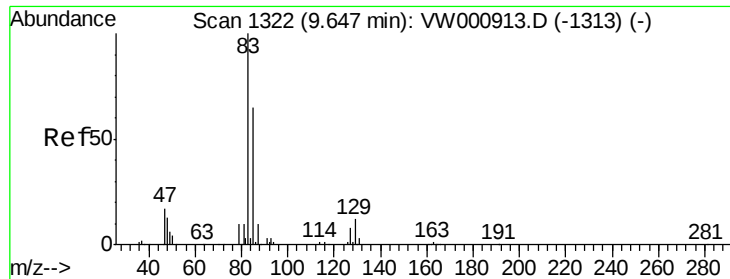
Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.6

174 108.4 89.0 133.6





#47

Bromodichloromethane

Concen: 20.46 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

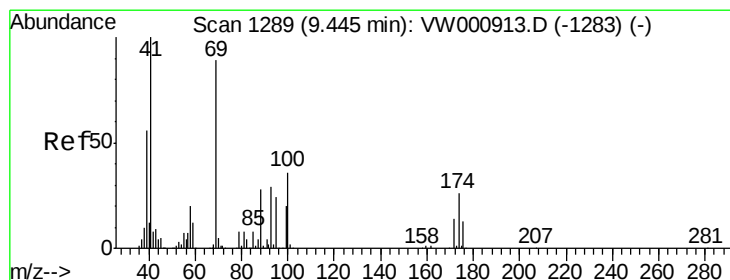
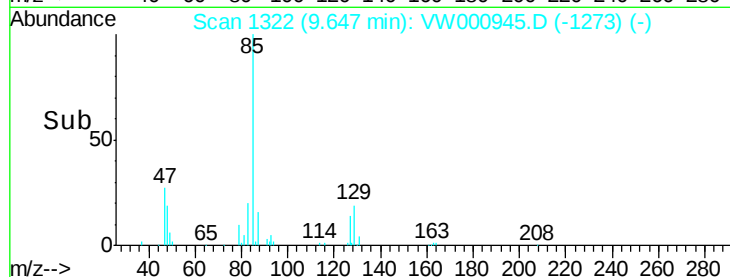
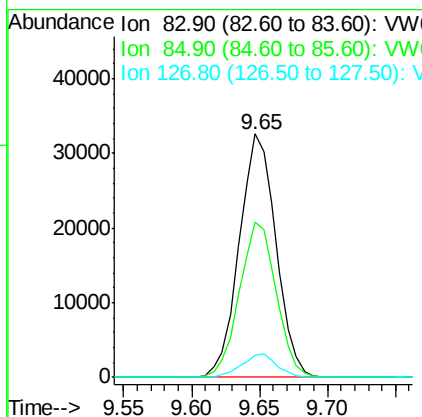
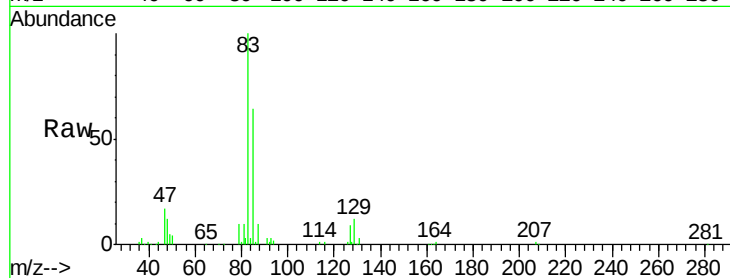
ClientSampleId :

VW0124SBS01

Tot Ion:	83	Resp:	61373
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.0	78.0
127	8.9	6.8	10.2

Manual Integrations
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MMDadoda
1/25/2018 1:33:57 PM



#48

Methyl methacrylate

Concen: 18.35 ug/l

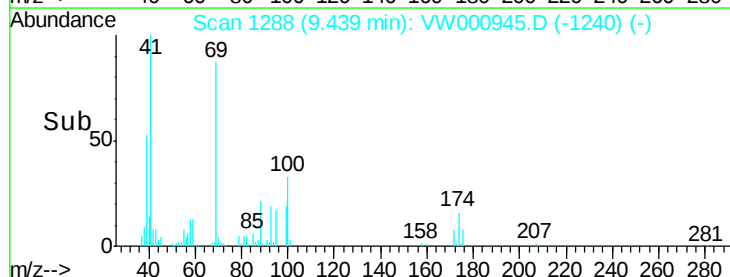
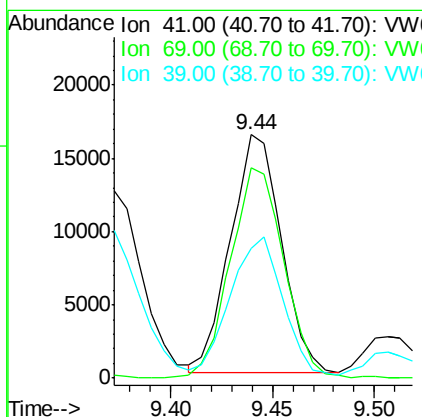
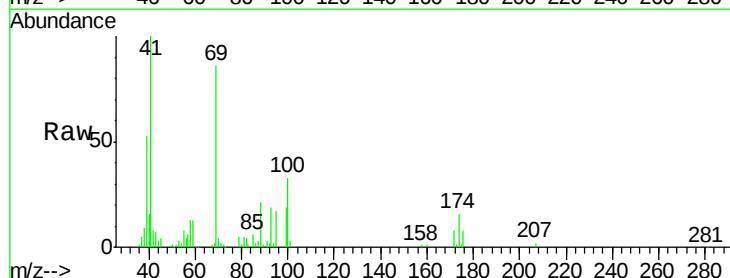
RT: 9.44 min Scan# 1288

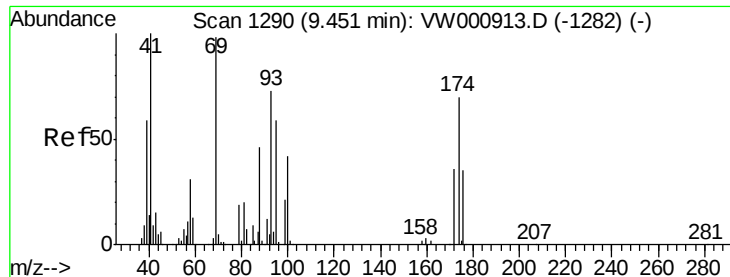
Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	41	Resp:	28222
Ion	Ratio	Lower	Upper
41	100		
69	93.2	72.9	109.3
39	58.8	48.4	72.6





#49

1,4-Dioxane

Concen: 355.14 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

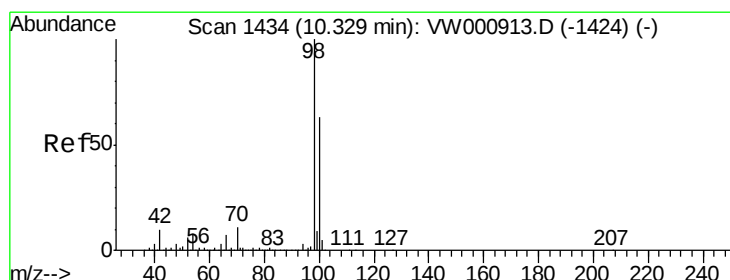
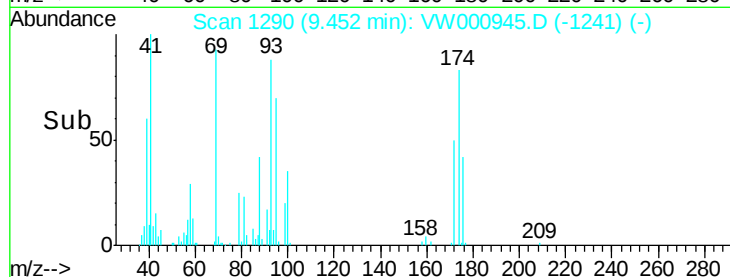
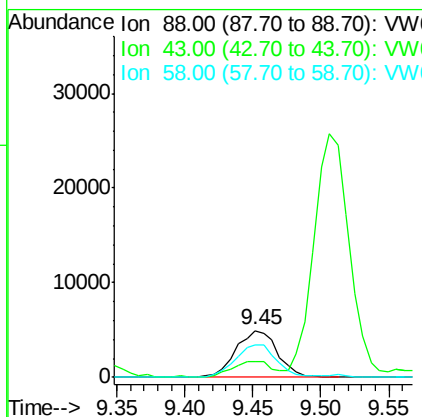
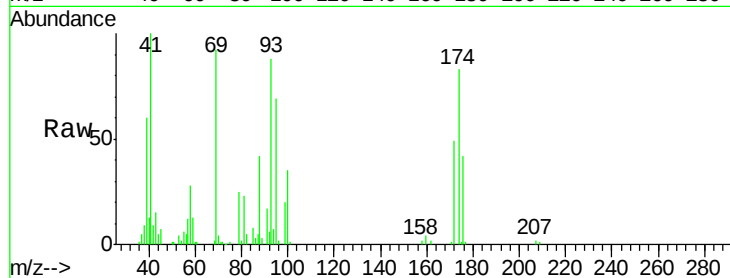
ClientSampleId :

VW0124SBS01

Tot Ion:	88	Resp:	10529
Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.5	36.7
58	70.2	54.7	82.1

Manual Integrations
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#50

Toluene-d8

Concen: 51.69 ug/l

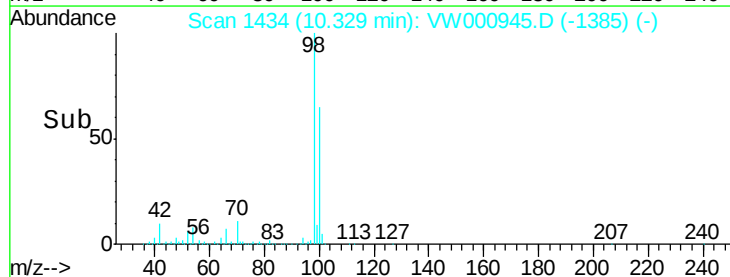
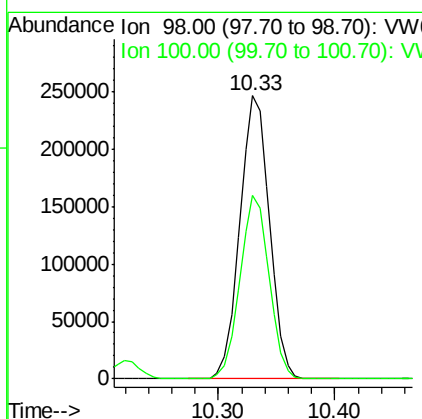
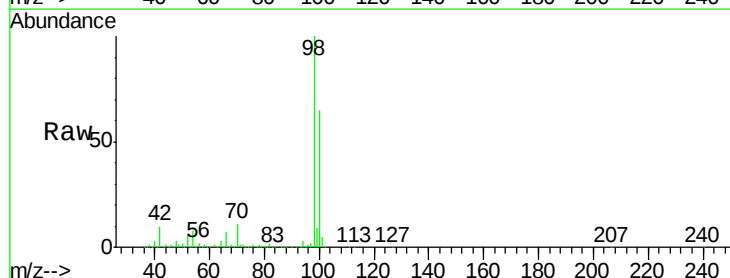
RT: 10.33 min Scan# 1434

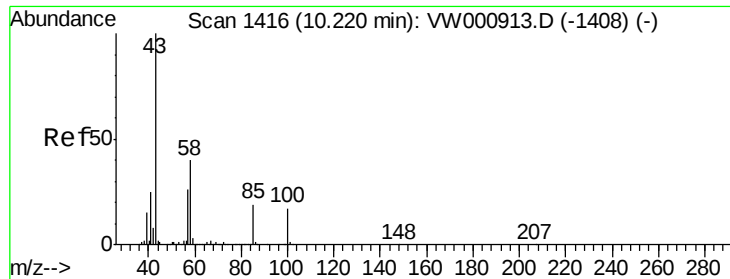
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	98	Resp:	437871
Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 90.62 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampled :

VW0124SBS01

Tot Ion: 43 Resp: 166995

Ion Ratio Lower Upper

43 100

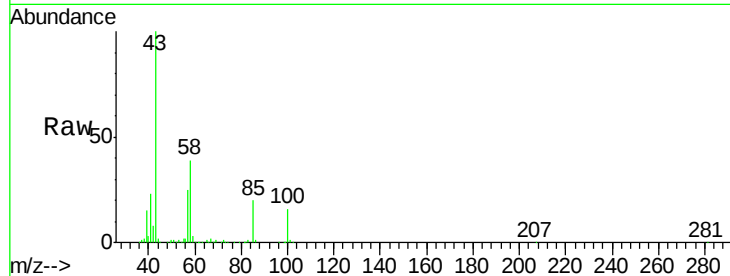
58 39.0 32.0 48.0

Manual Integrations

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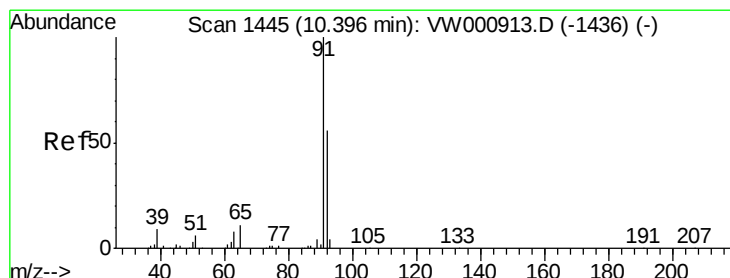
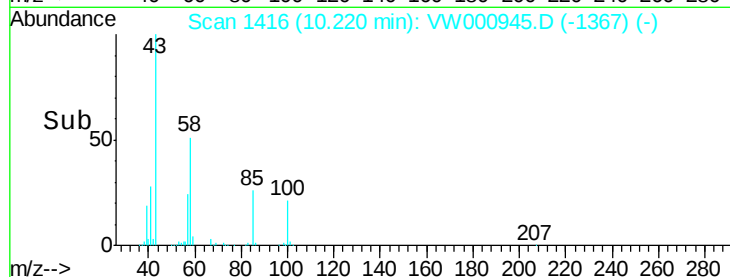
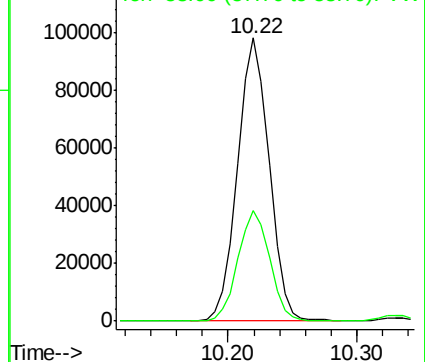
MM Dadoda

1/25/2018 1:33:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.87 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW000945.D

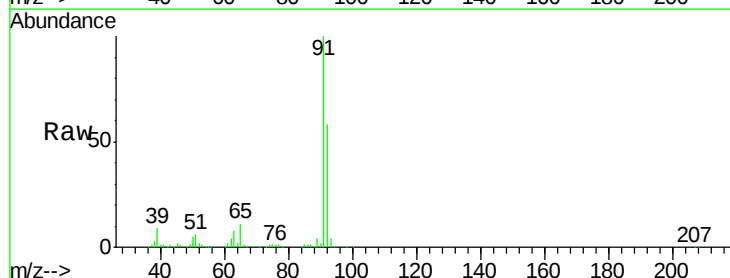
Acq: 24 Jan 2018 14:02

Tgt Ion: 92 Resp: 119962

Ion Ratio Lower Upper

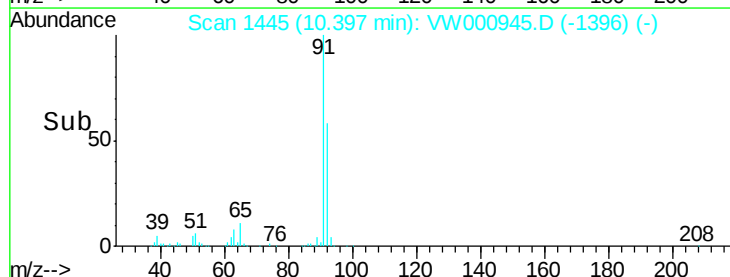
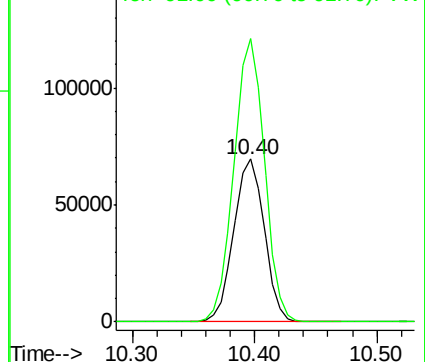
92 100

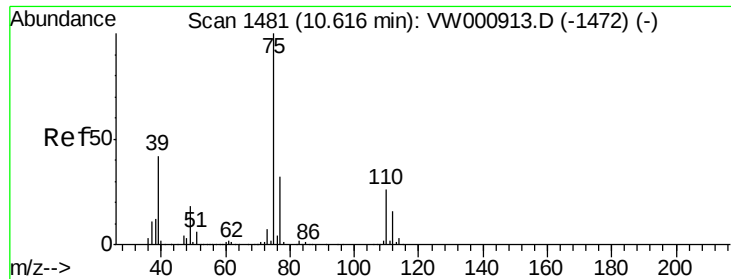
91 174.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





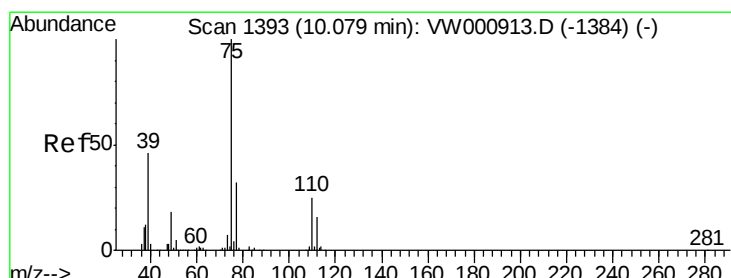
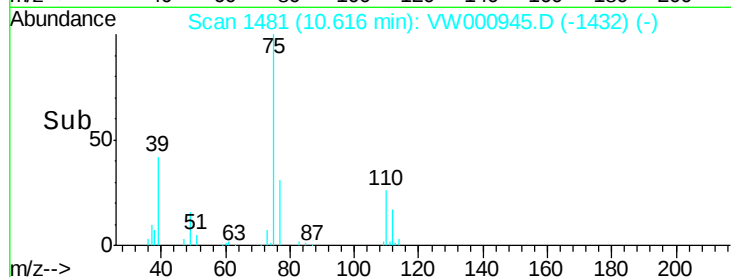
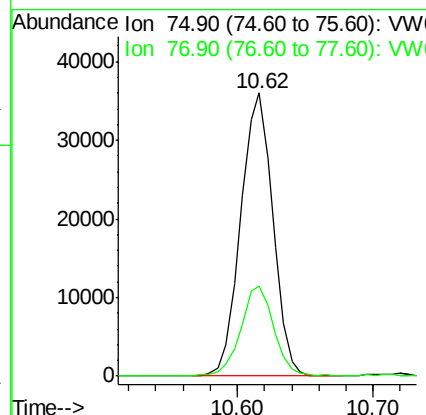
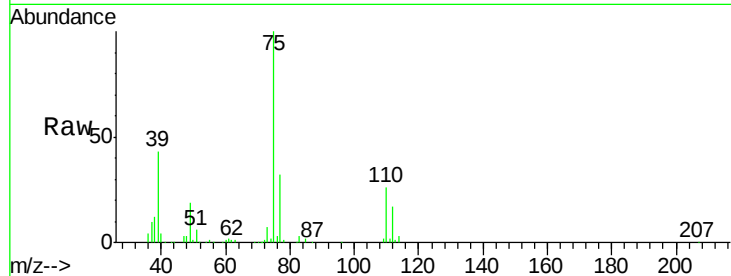
#53
 t-1,3-Dichloropropene
 Concen: 19.52 ug/l
 RT: 10.62 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.7	38.5

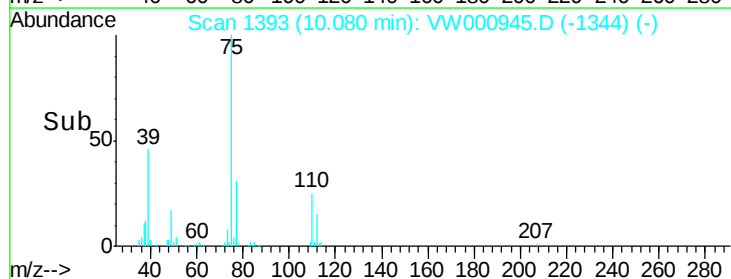
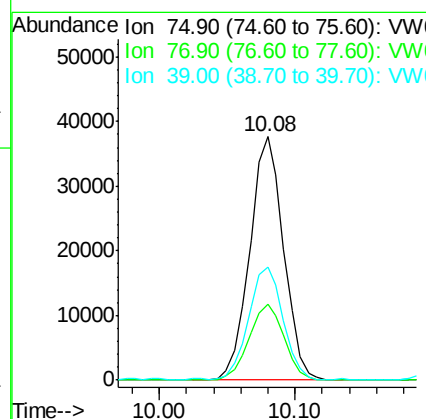
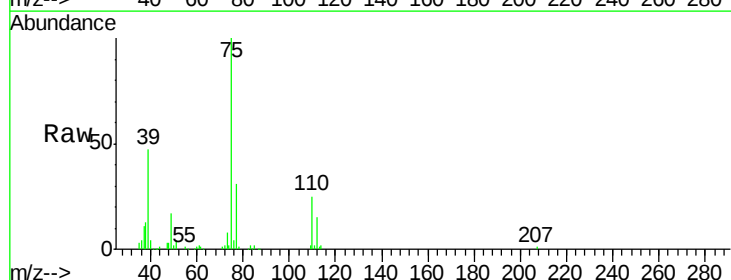
Manual Integrations
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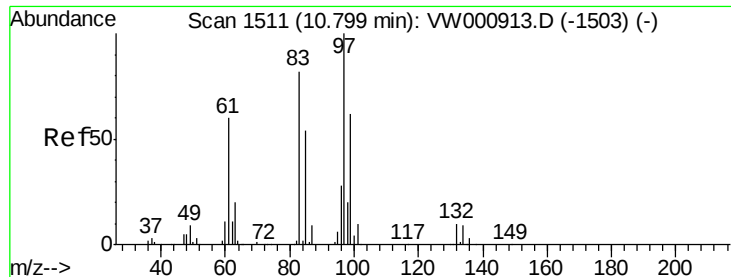
MM Dadoda
 1/25/2018 1:33:57 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.57 ug/l
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	46.1	37.0	55.6





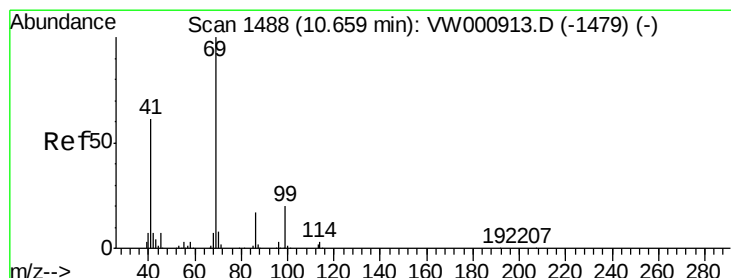
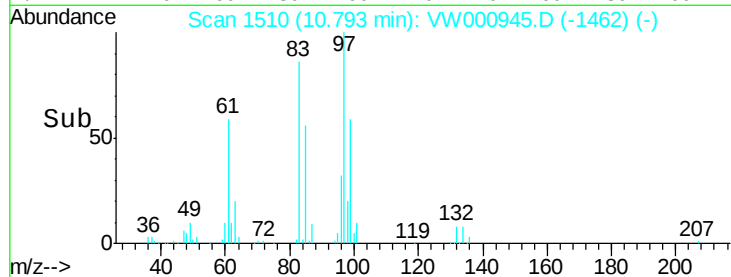
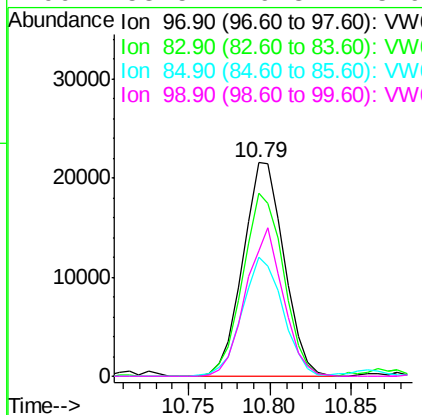
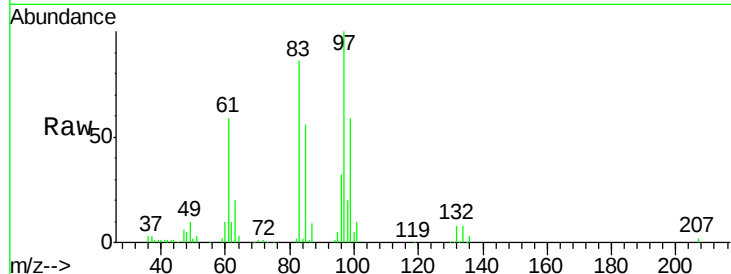
#55
 1,1,2-Trichloroethane
 Concen: 20.03 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		37936		
83	86.0	65.2	97.8		
85	55.6	43.1	64.7		
99	58.5	49.3	73.9		

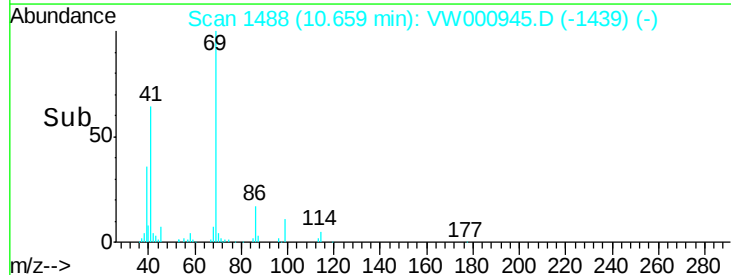
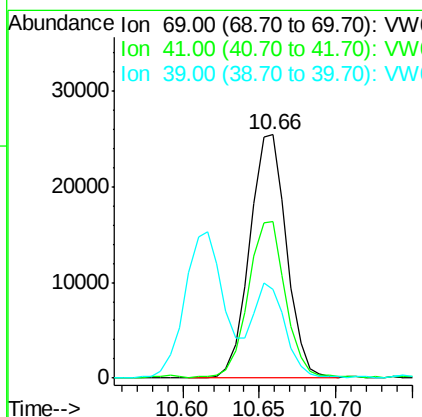
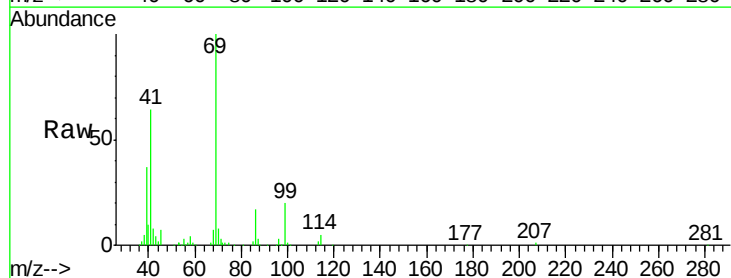
Manual Integrations
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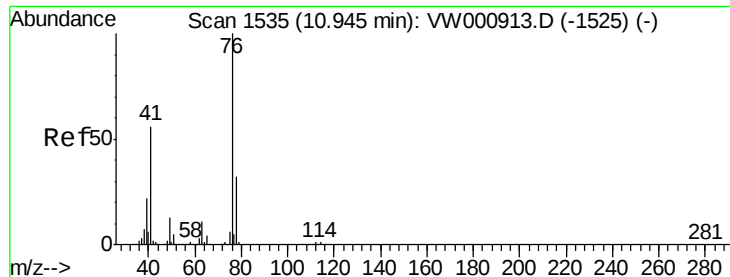
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.94 ug/l
 RT: 10.66 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		42664		
41	64.6	50.3	75.5		
39	32.7	28.6	42.8		





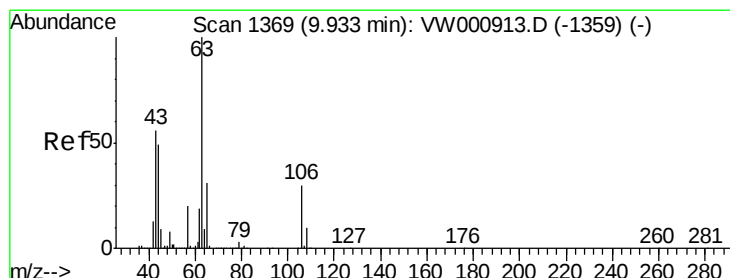
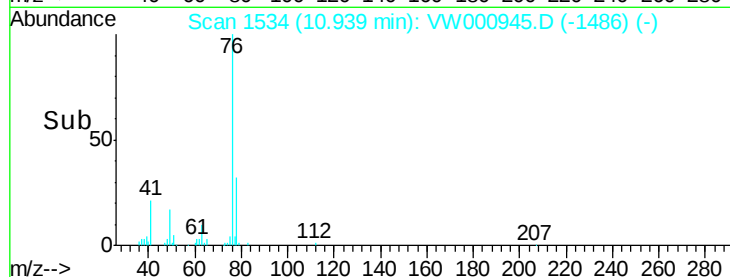
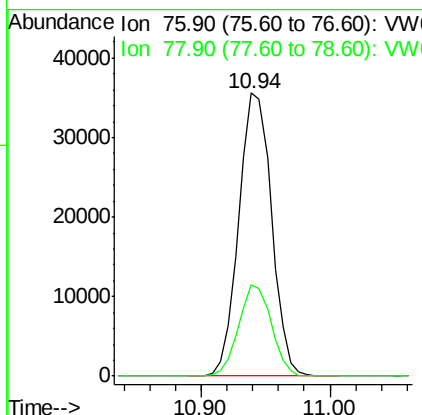
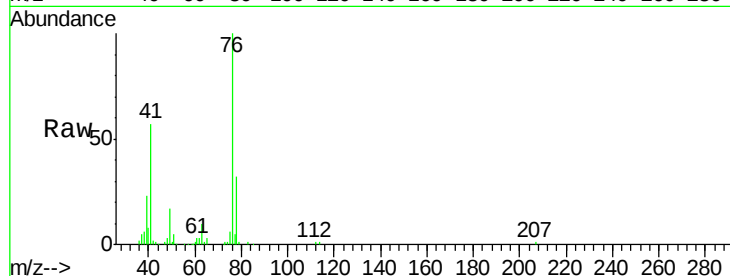
#57
 1,3-Dichloropropane
 Concen: 20.22 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Tot Ion: 76 Resp: 62550
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

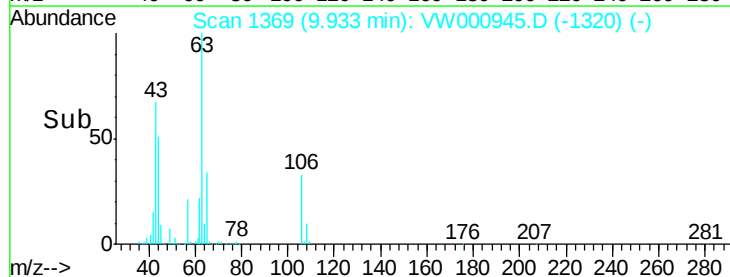
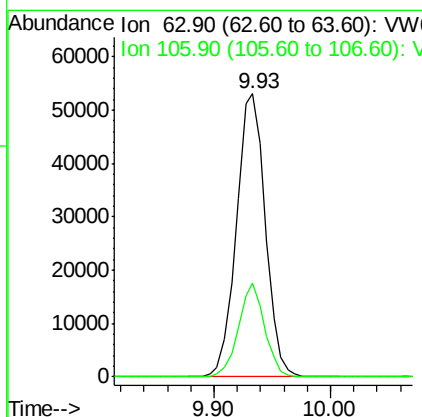
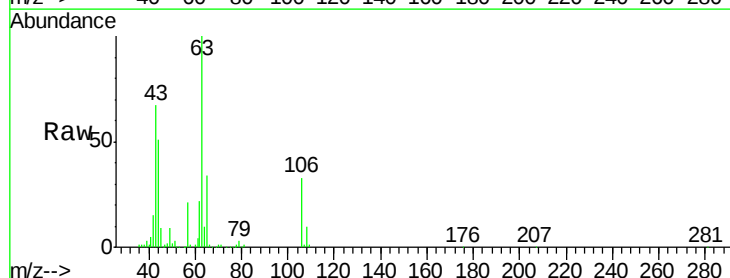
Manual Integrations
 APPROVED

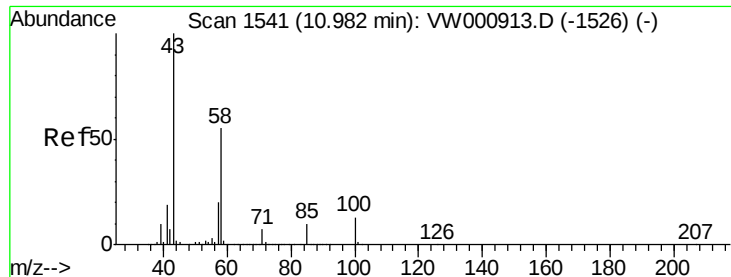
MMDadoda
 1/25/2018 1:33:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.89 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion: 63 Resp: 91816
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8





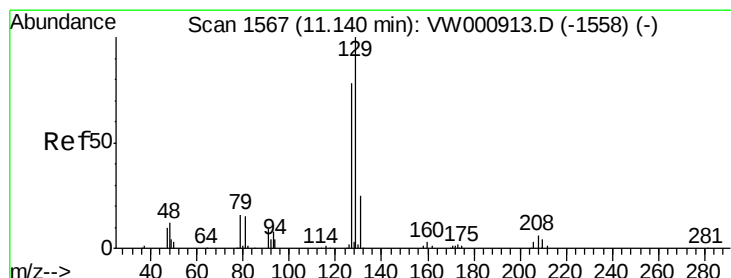
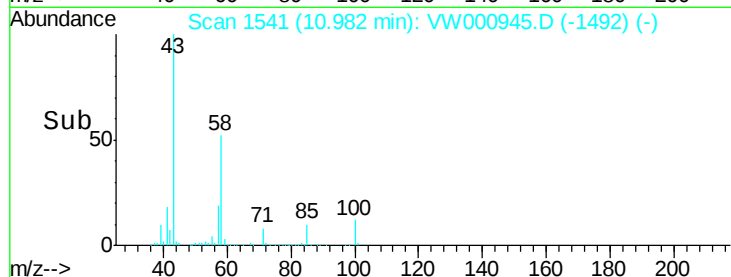
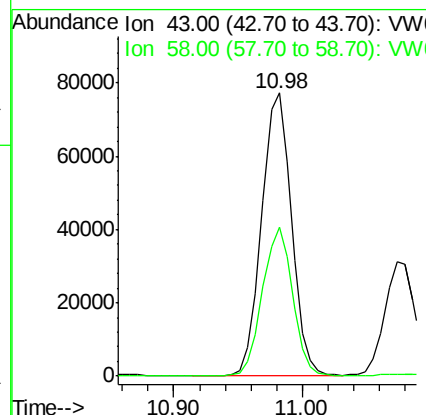
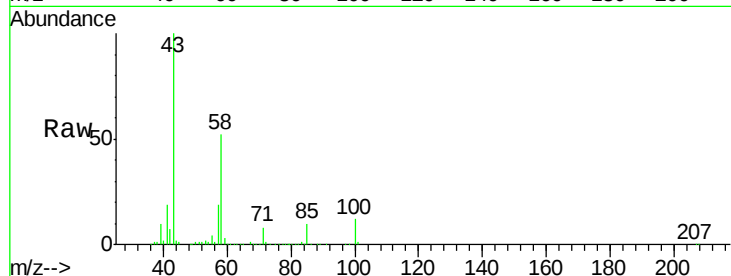
#59
2-Hexanone
Concen: 86.65 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion: 43 Resp: 123875
Ion Ratio Lower Upper
43 100
58 53.0 27.4 82.2

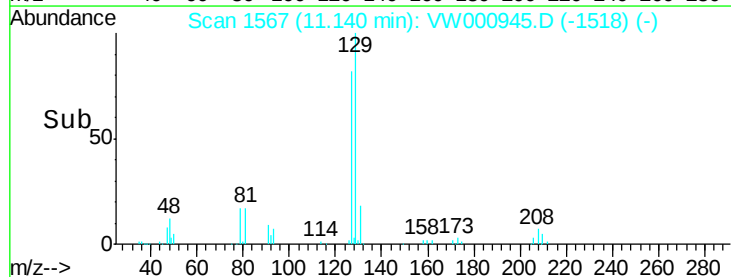
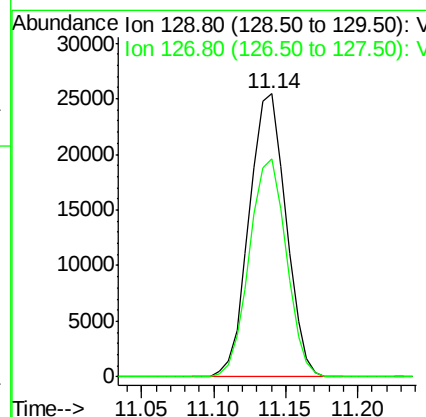
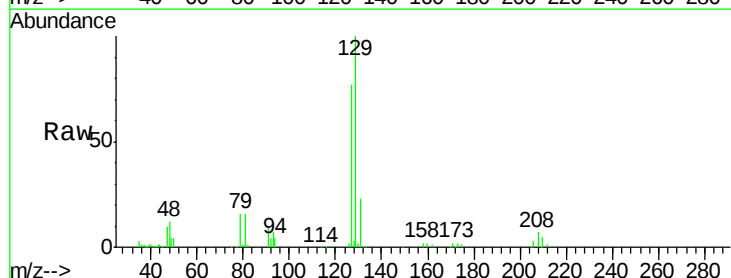
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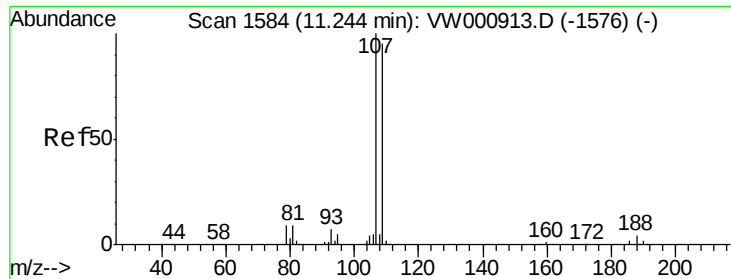
MMDadoda
1/25/2018 1:33:57 PM



#60
Dibromochloromethane
Concen: 19.75 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 129 Resp: 45181
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





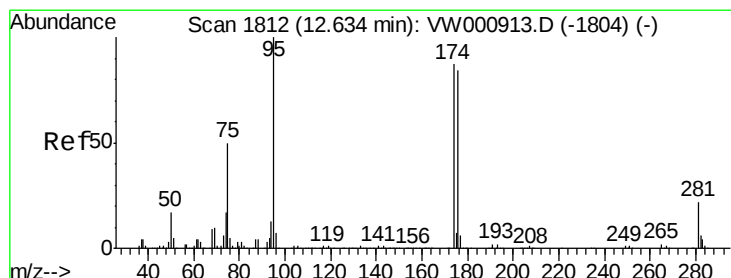
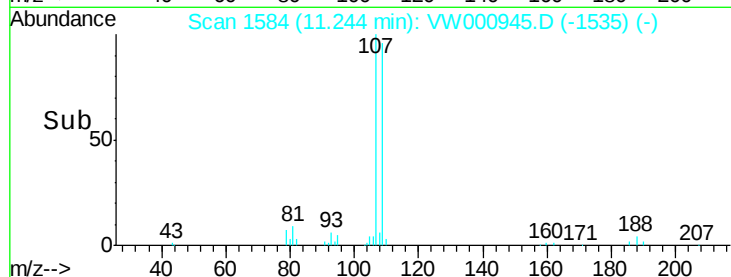
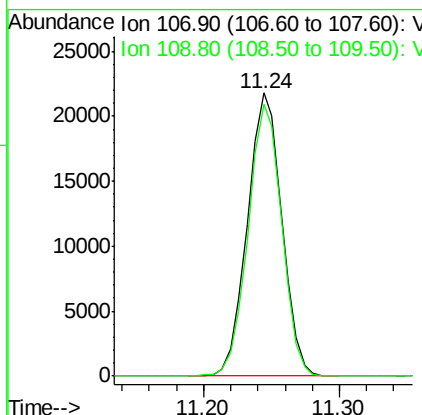
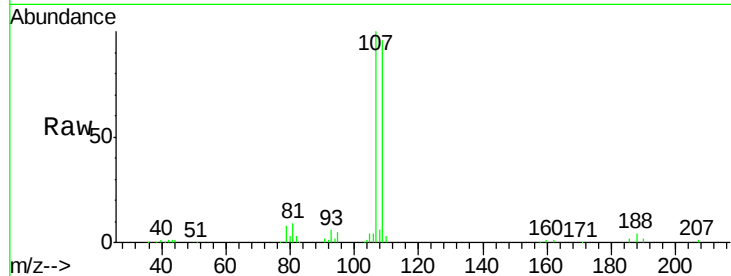
#61
 1,2-Dibromoethane
 Concen: 19.60 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Tot Ion: 107 Resp: 38678
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.0 114.0

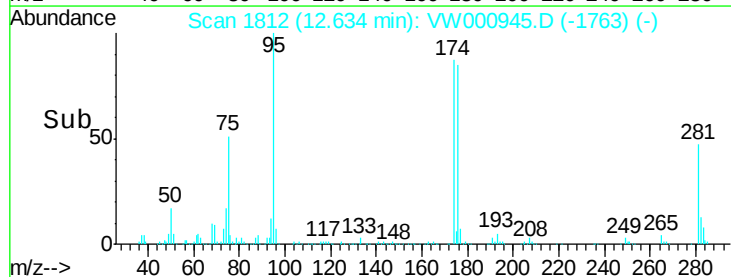
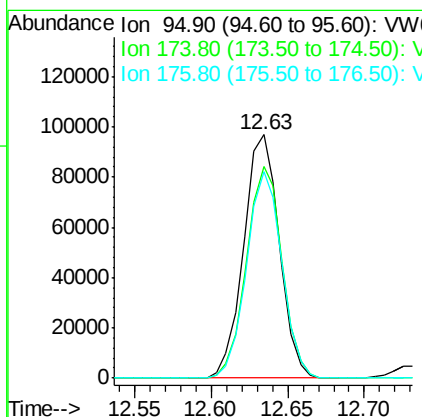
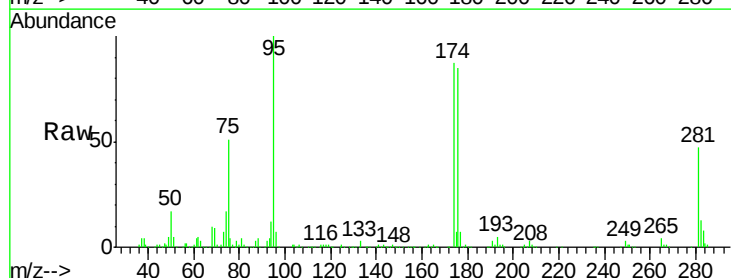
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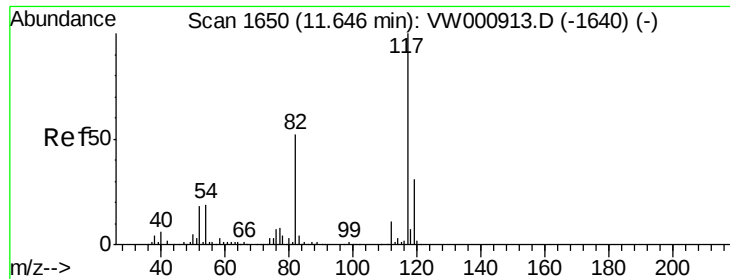
MMDadoda
 1/25/2018 1:33:57 PM



#62
 4-Bromofluorobenzene
 Concen: 50.82 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion: 95 Resp: 156766
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 176.8
 176 84.1 0.0 171.8





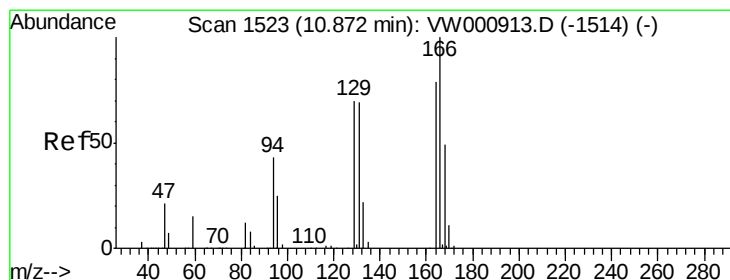
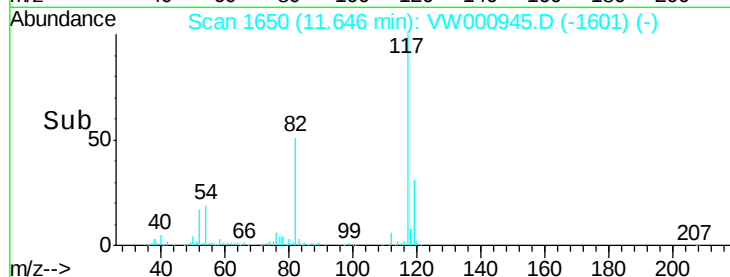
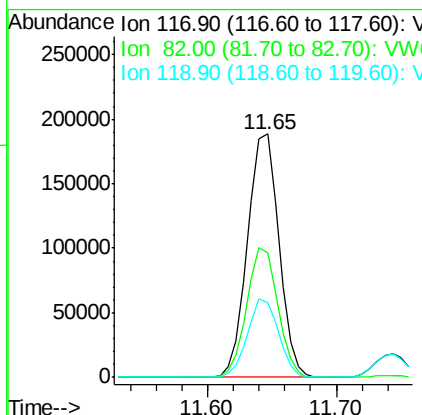
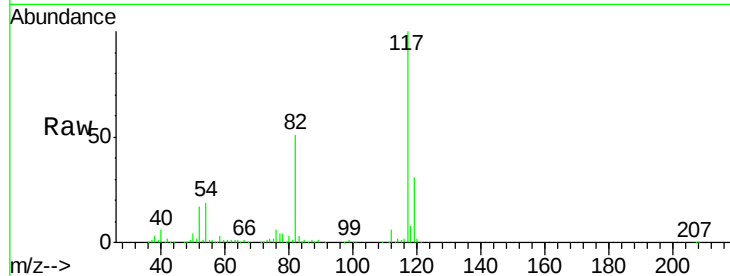
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.8	62.6
119	30.9	25.2	37.8

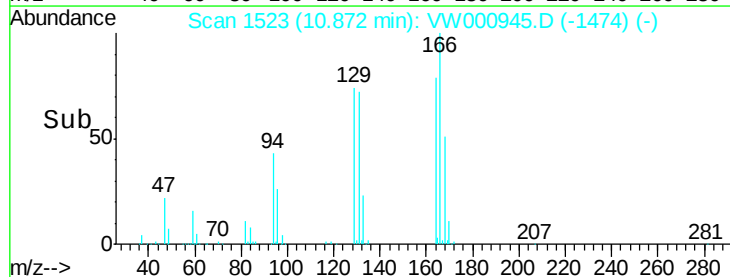
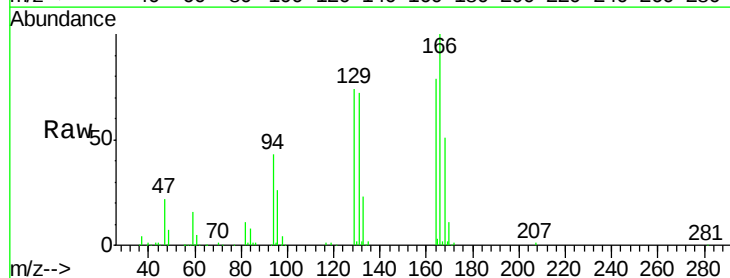
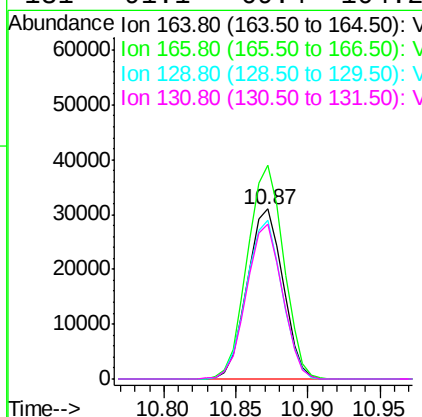
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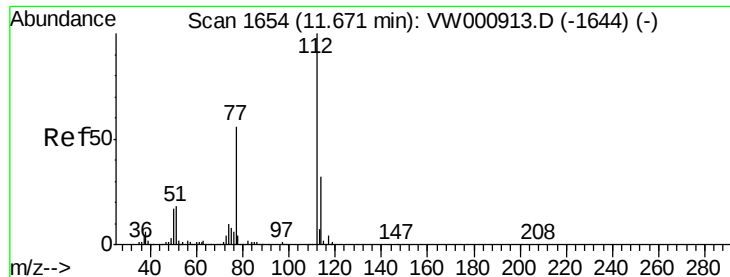
MMDadoda
1/25/2018 1:33:57 PM



#64
Tetrachloroethene
Concen: 20.22 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.9	151.3
129	93.4	70.5	105.7
131	91.1	69.4	104.2





#65

Chlorobenzene

Concen: 20.88 ug/l

RT: 11.67 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion:112 Resp: 135972

Ion Ratio Lower Upper

112 100

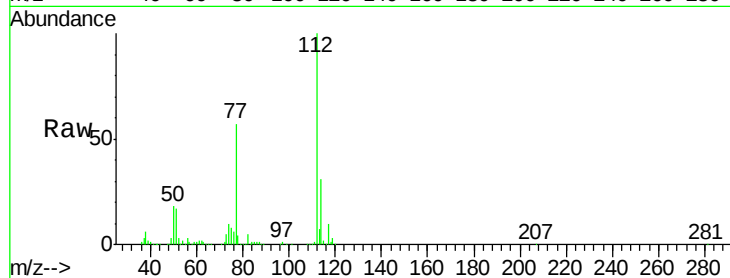
114 30.9 25.8 38.6

Manual Integrations

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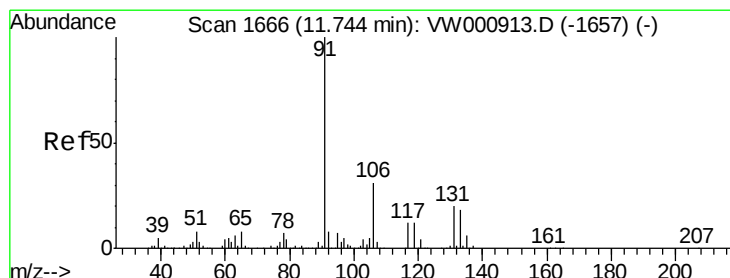
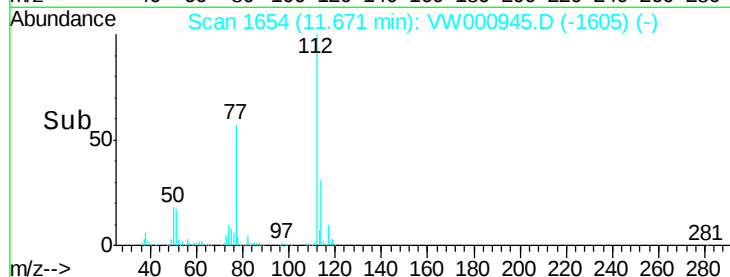
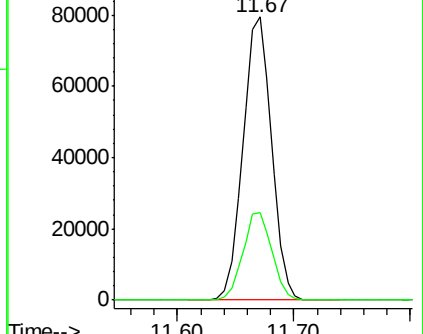
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.73 ug/l

RT: 11.74 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

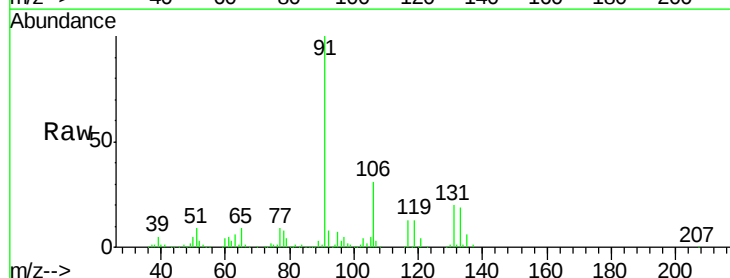
Tgt Ion:131 Resp: 48467

Ion Ratio Lower Upper

131 100

133 95.6 47.3 142.0

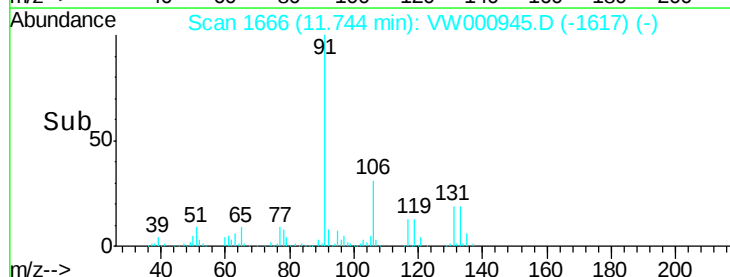
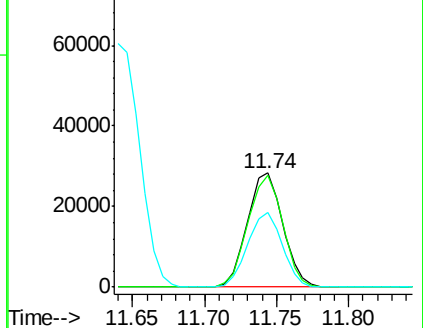
119 64.0 31.6 94.7

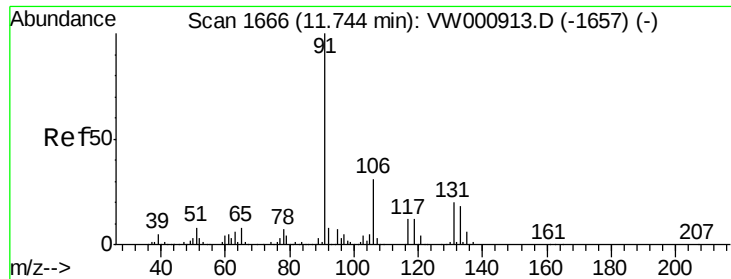


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





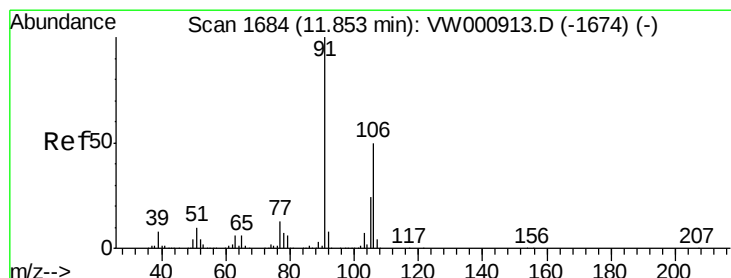
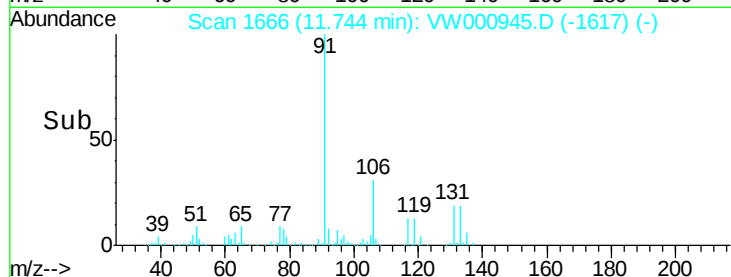
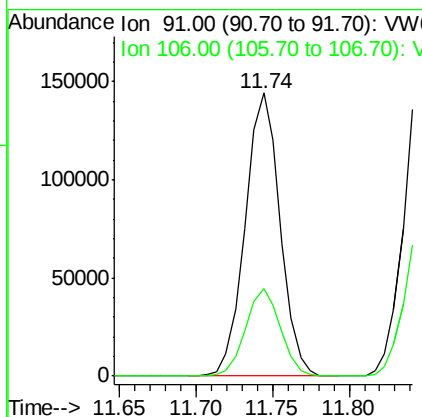
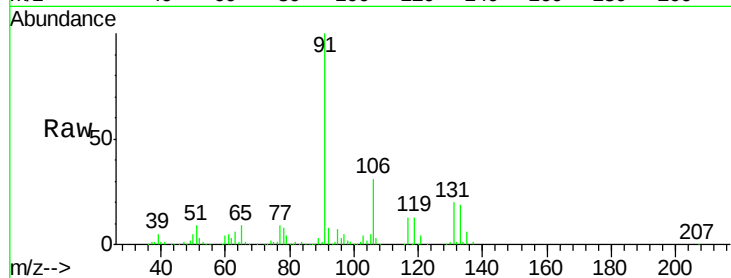
#67
Ethyl Benzene
Concen: 20.73 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion: 91 Resp: 227997
Ion Ratio Lower Upper
91 100
106 30.8 25.1 37.7

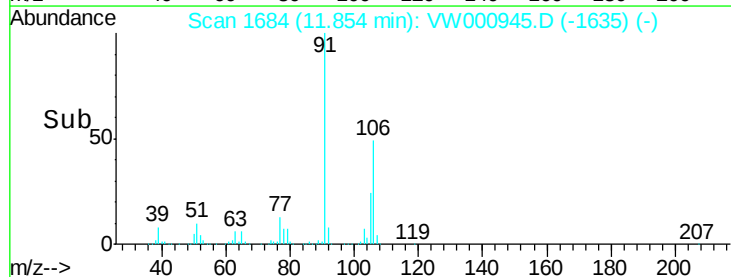
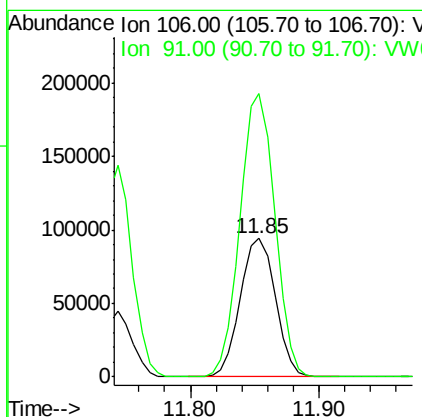
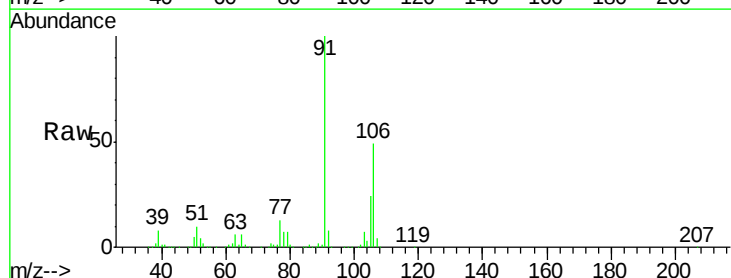
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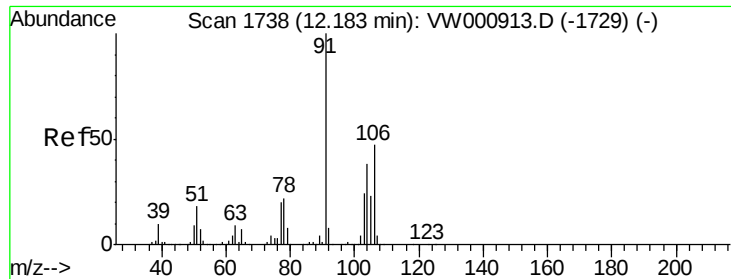
MMDadoda
1/25/2018 1:33:57 PM



#68
m/p-Xylenes
Concen: 41.83 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 106 Resp: 178853
Ion Ratio Lower Upper
106 100
91 202.2 161.9 242.9





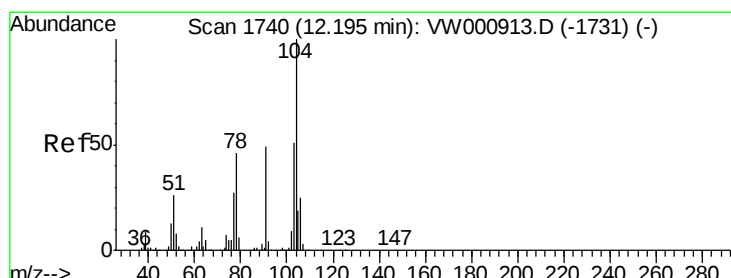
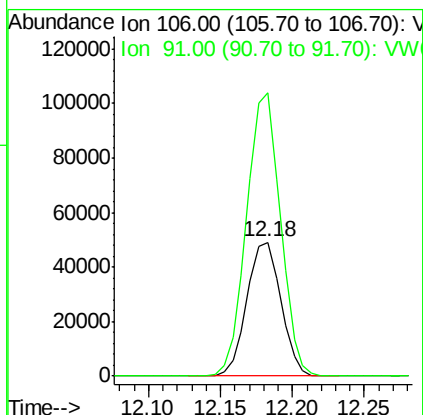
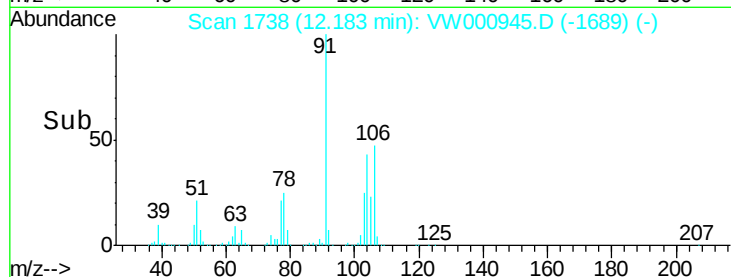
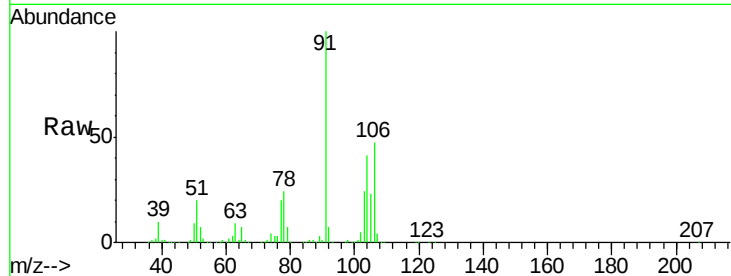
#69
o-Xylene
Concen: 20.58 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	210.0	106.3	318.8

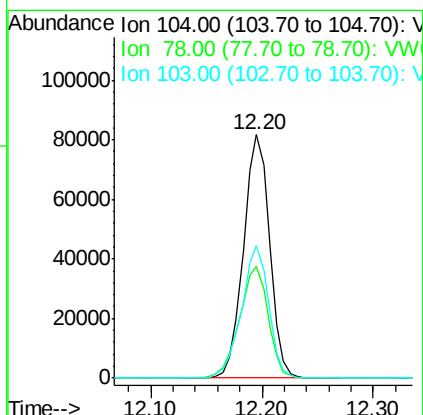
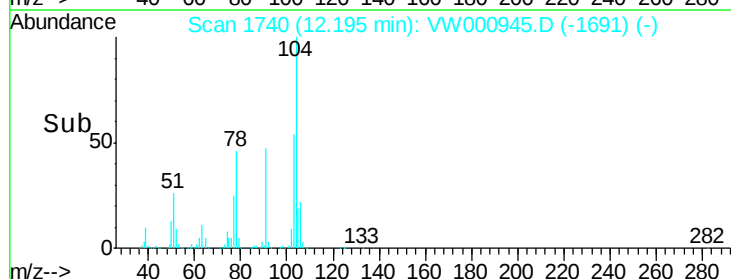
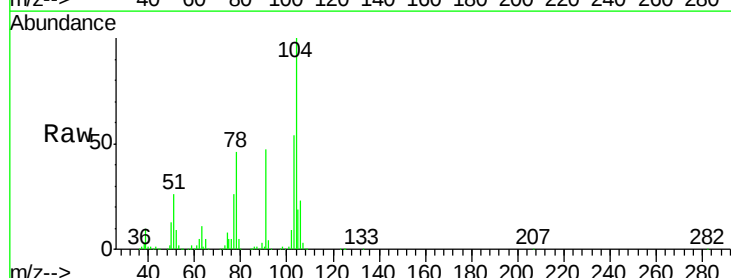
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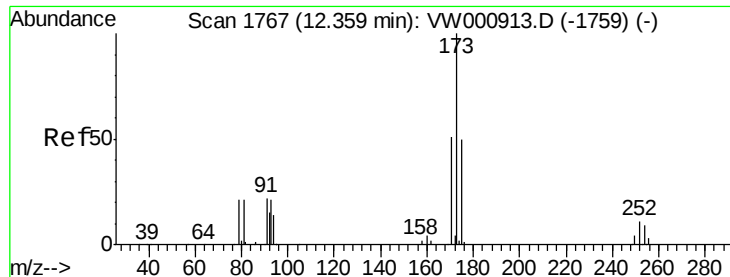
MMDadoda
1/25/2018 1:33:57 PM



#70
Styrene
Concen: 20.86 ug/l
RT: 12.20 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.5	40.1	60.1
103	103	56.5	44.6	66.8





#71

Bromoform

Concen: 19.00 ug/l

RT: 12.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion:173 Resp: 30146

Ion Ratio Lower Upper

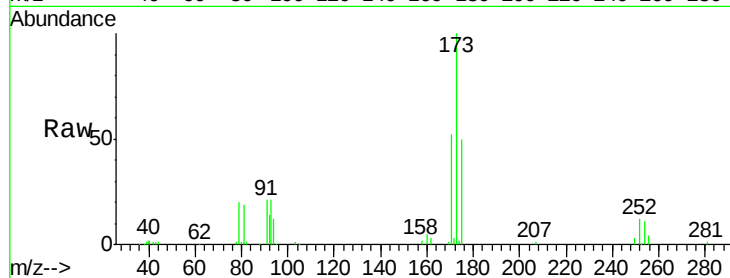
173 100

175 48.8 24.7 74.1

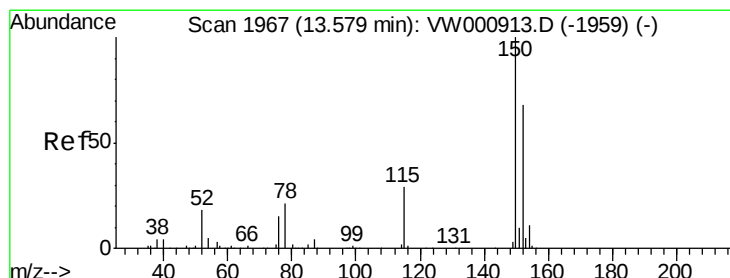
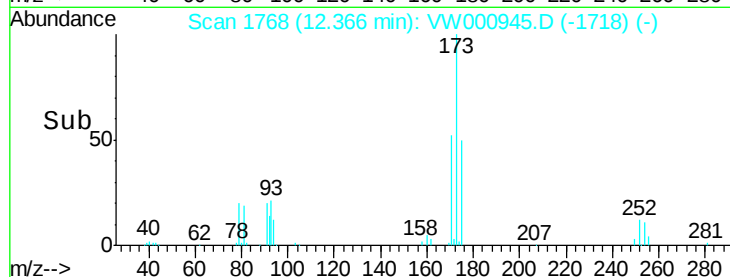
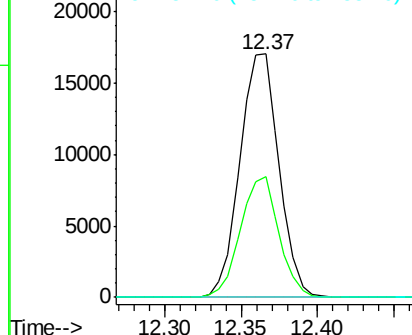
254 0.0 0.2 0.2#

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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: 13.58 min Scan# 1967

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

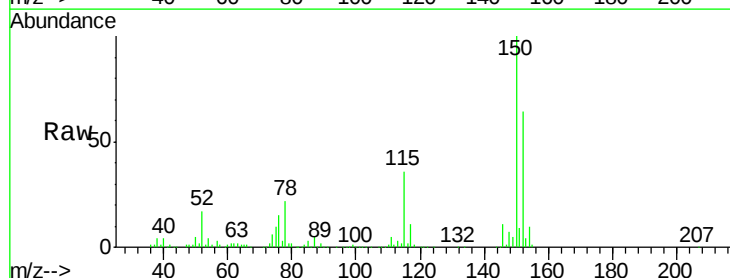
Tgt Ion:152 Resp: 174152

Ion Ratio Lower Upper

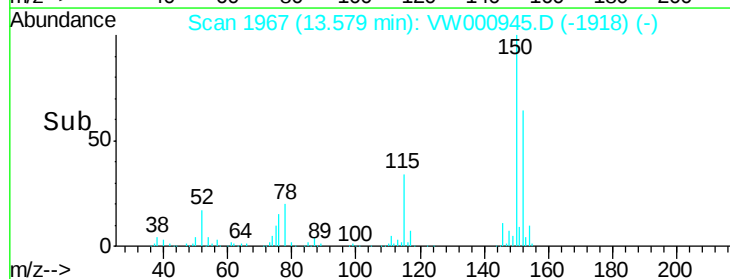
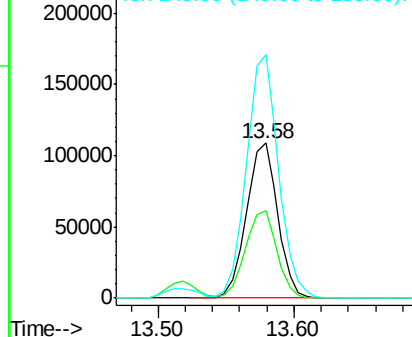
152 100

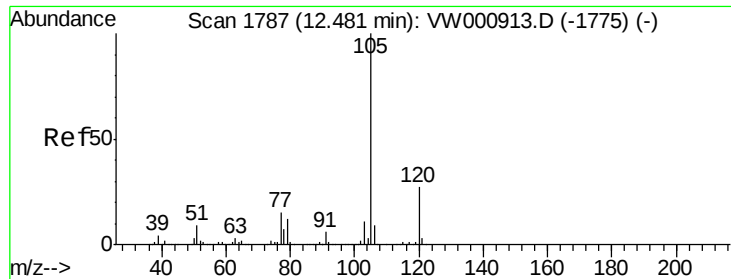
115 56.9 28.5 85.5

150 162.2 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: 20.60 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion:105 Resp: 231822

Ion Ratio Lower Upper

105 100

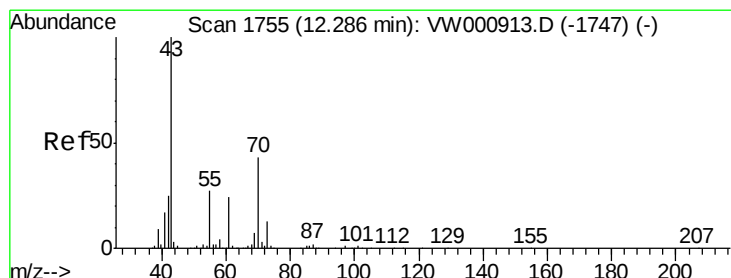
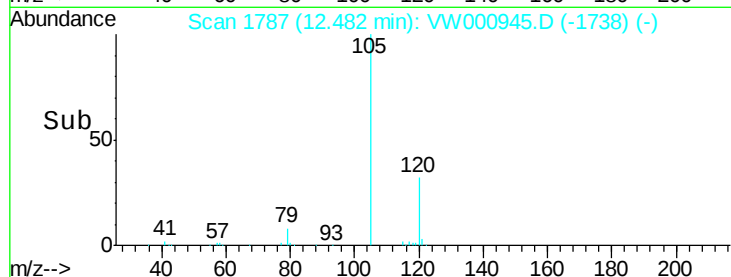
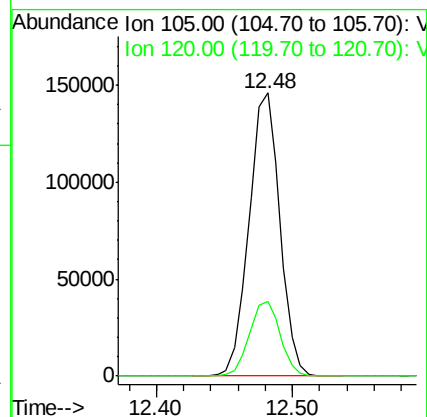
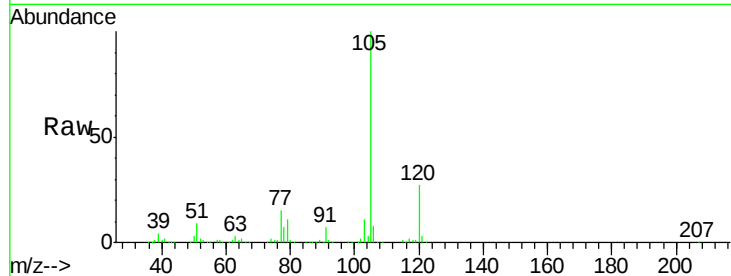
120 26.5 13.3 39.9

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#74

N-ethyl acetate

Concen: 18.67 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion: 43 Resp: 51004

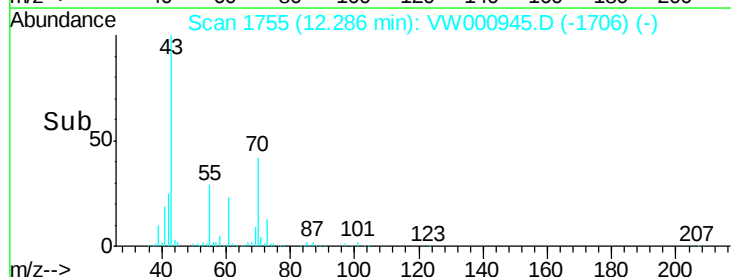
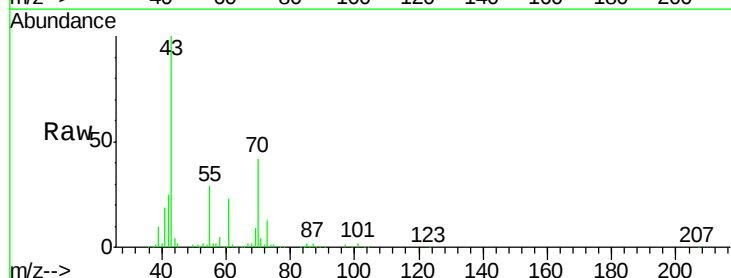
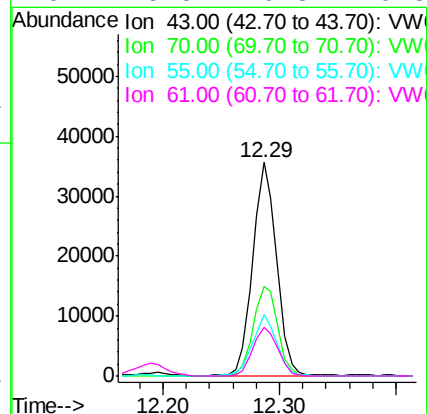
Ion Ratio Lower Upper

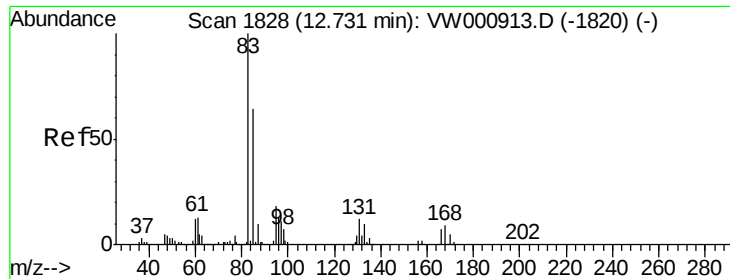
43 100

70 43.5 35.8 53.8

55 29.0 21.4 32.2

61 23.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.72 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

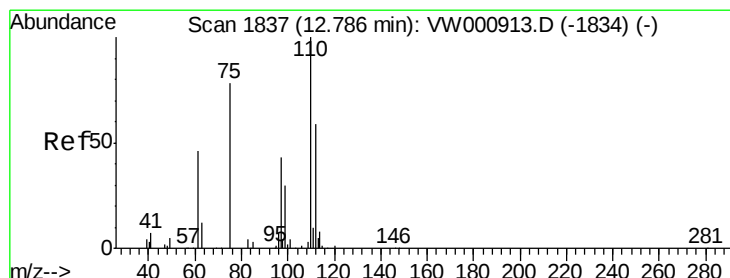
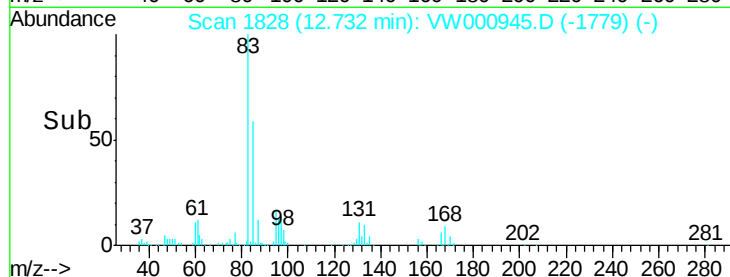
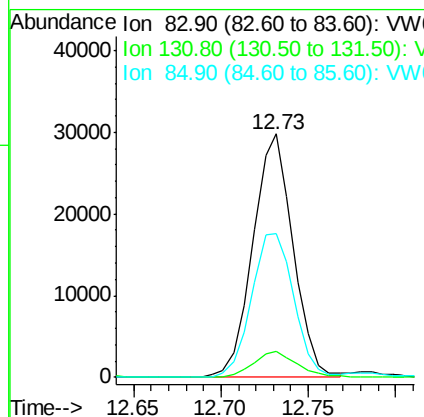
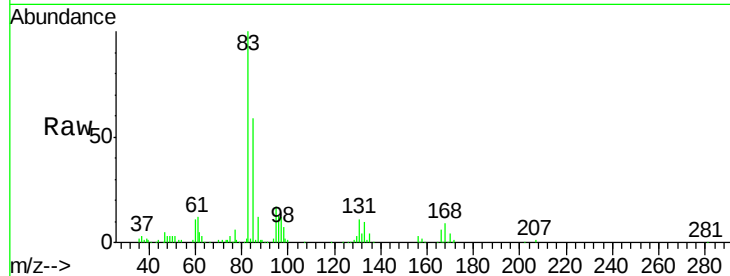
ClientSampleId :

VW0124SBS01

Tot Ion:	83	Resp:	47423
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.7
85	62.3	32.6	97.7

Manual Integrations
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1/25/2018 1:33:57 PM



#76

1,2,3-Trichloropropane

Concen: 18.72 ug/l m

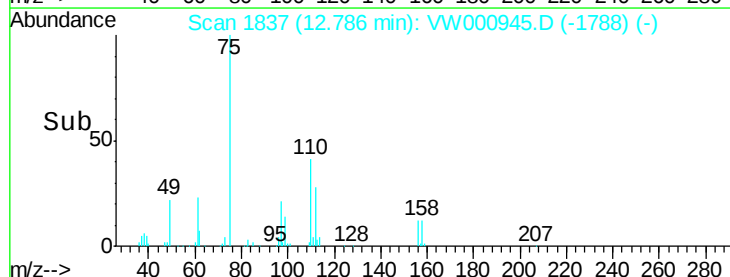
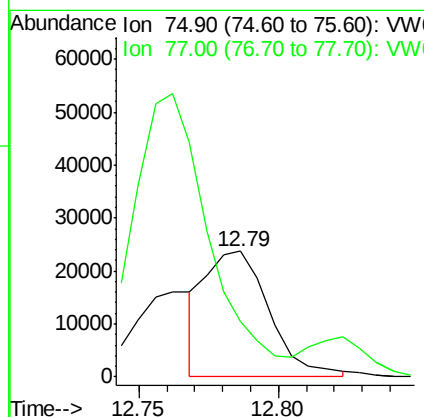
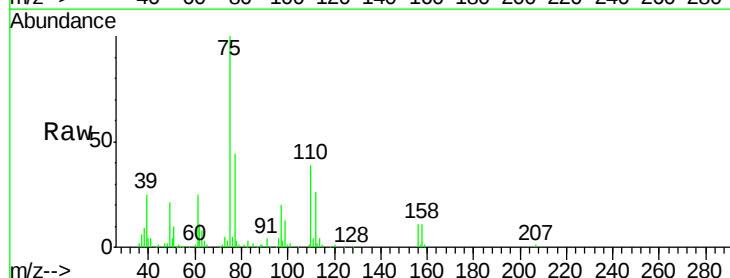
RT: 12.79 min Scan# 1837

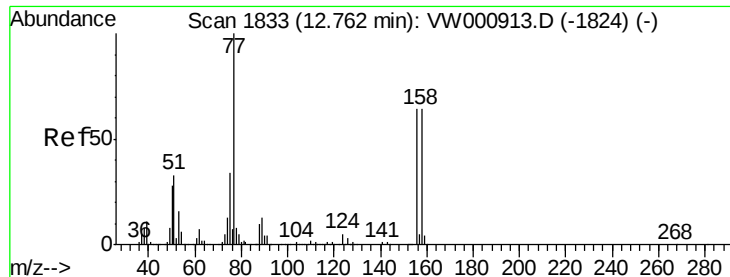
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	75	Resp:	37724
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.05 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion:156 Resp: 57390

Ion Ratio Lower Upper

156 100

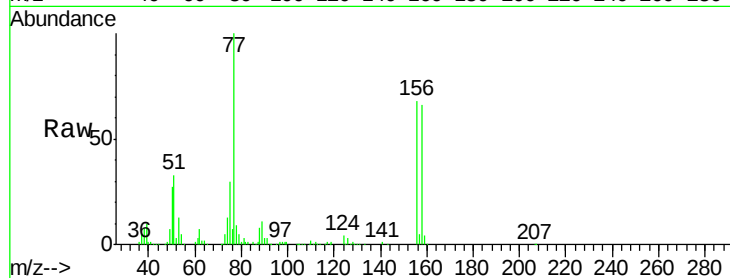
77 179.0 89.0 267.1

158 99.0 48.9 146.8

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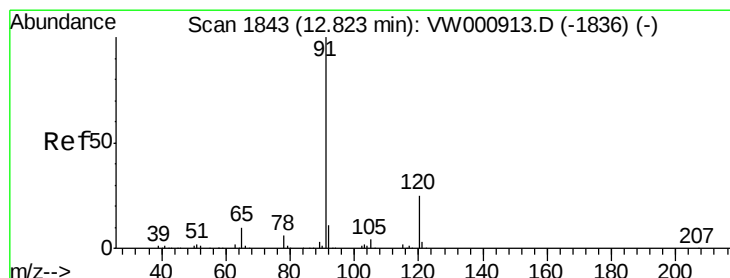
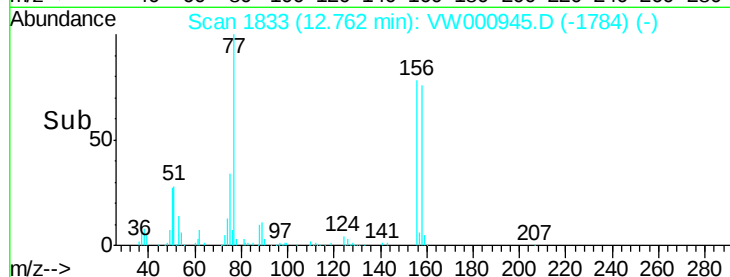
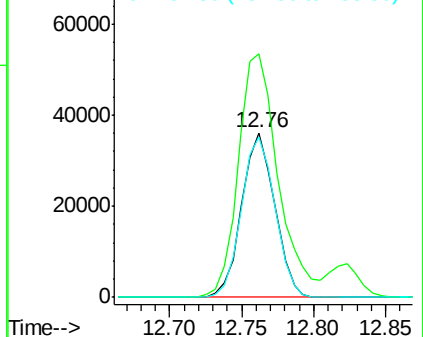
1/25/2018 1:33:57 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.66 ug/l

RT: 12.82 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VW000945.D

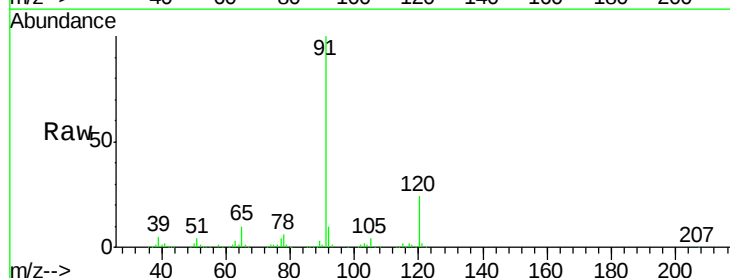
Acq: 24 Jan 2018 14:02

Tgt Ion: 91 Resp: 280521

Ion Ratio Lower Upper

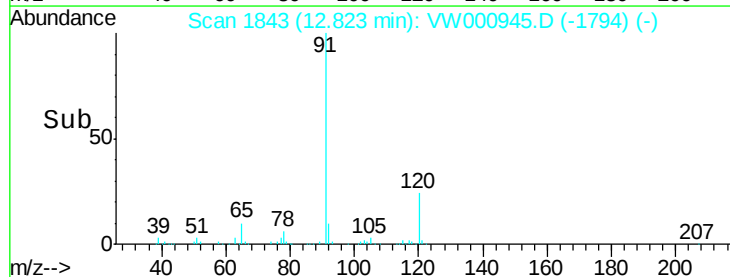
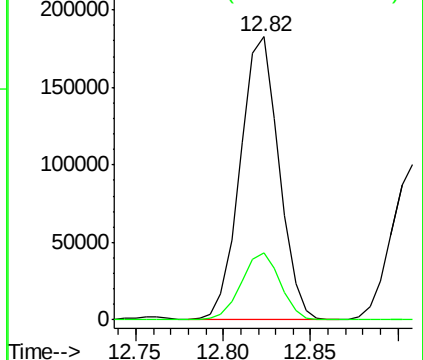
91 100

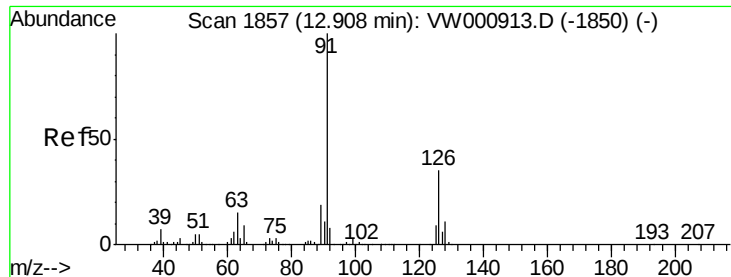
120 23.9 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





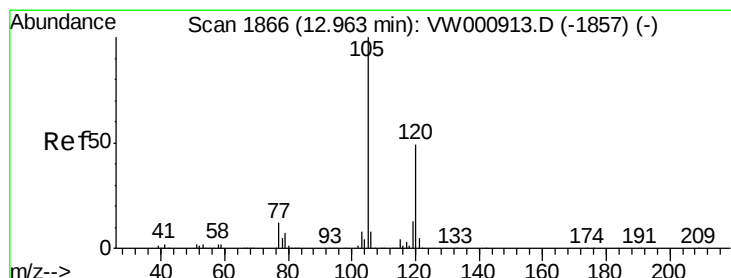
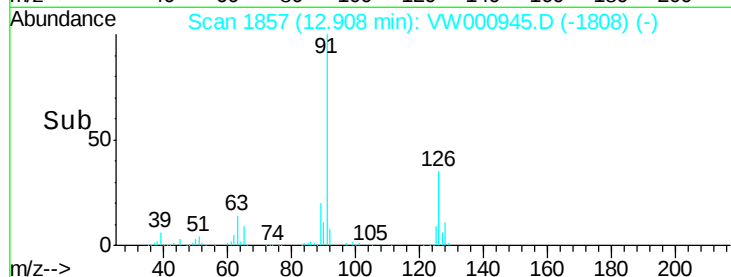
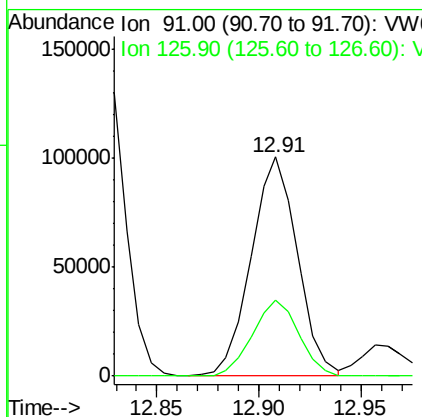
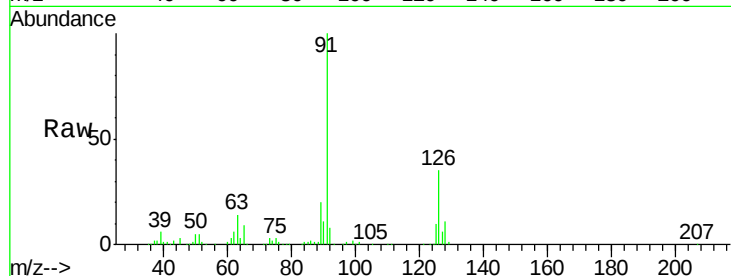
#79
2-Chlorotoluene
Concen: 20.68 ug/l
RT: 12.91 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :
VW0124SBS01

Tot Ion: 91 Resp: 158348
Ion Ratio Lower Upper
91 100
126 34.9 17.6 52.8

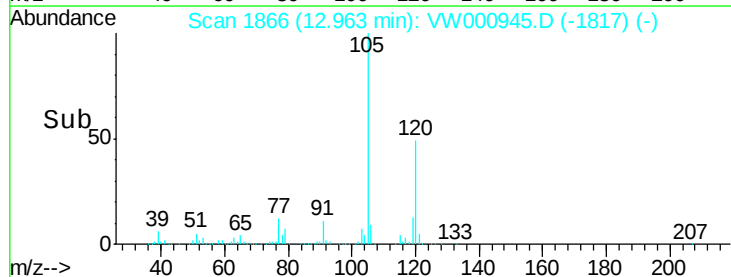
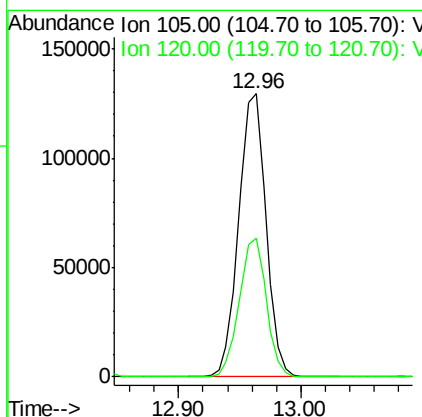
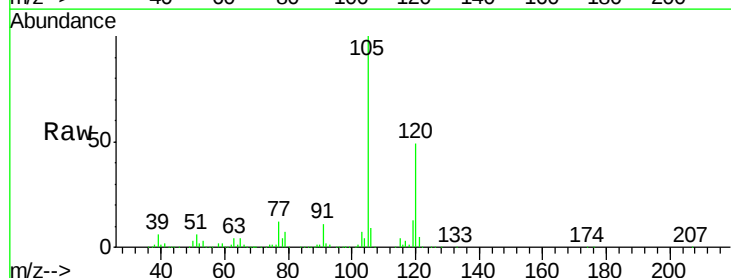
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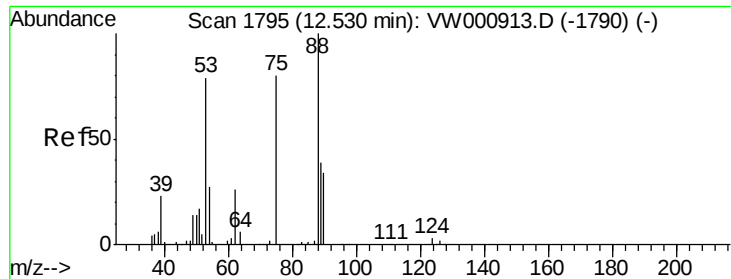
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#80
1,3,5-Trimethylbenzene
Concen: 20.87 ug/l
RT: 12.96 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 105 Resp: 199823
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.9





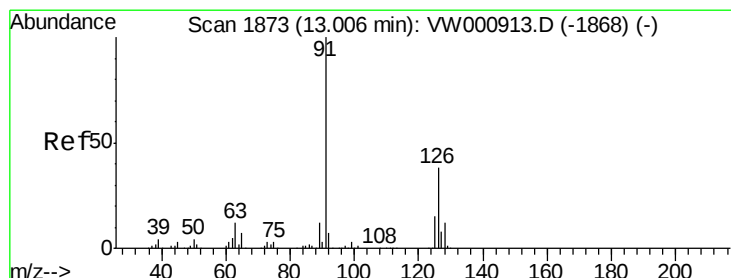
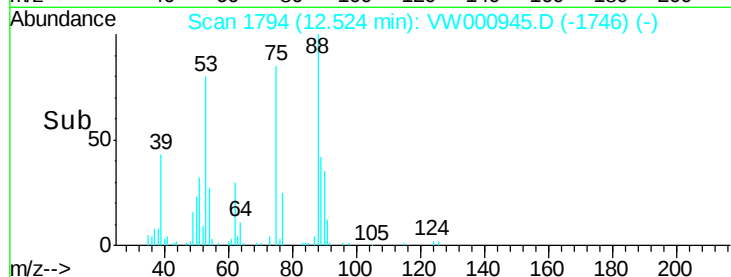
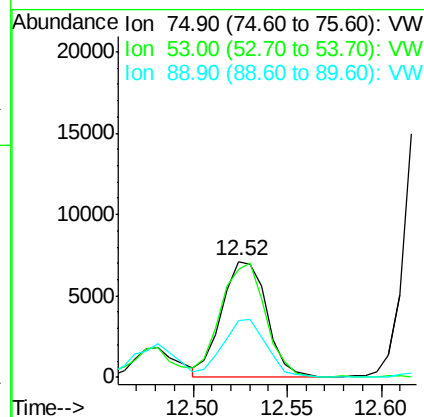
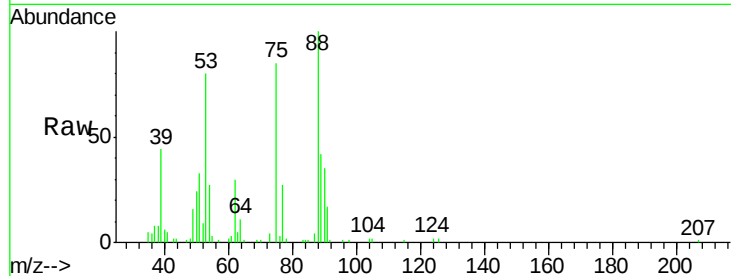
#81
trans-1,4-Dichloro-2-butene
Concen: 17.96 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	77.5	116.3
89	48.5	38.2	57.4

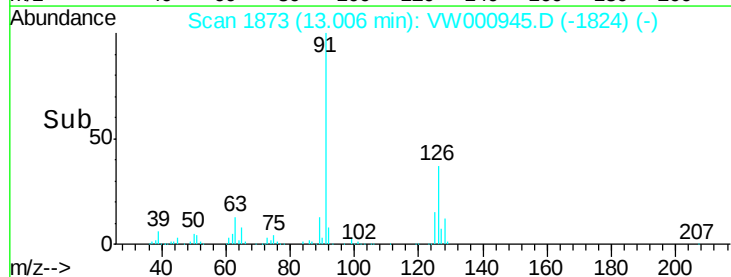
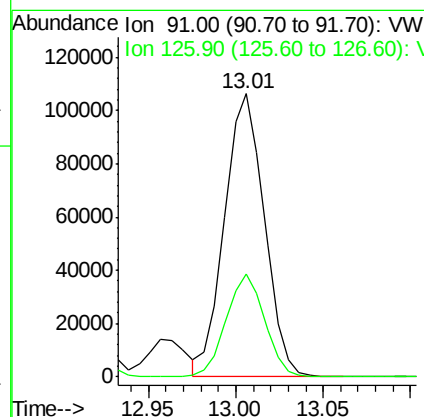
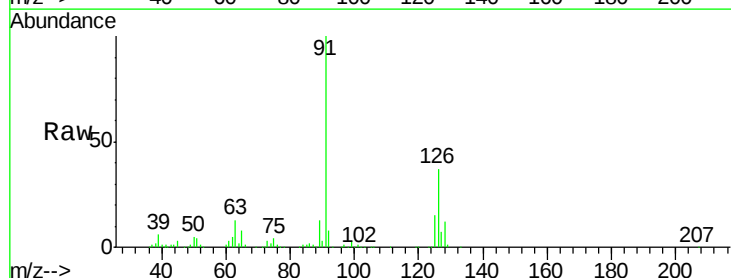
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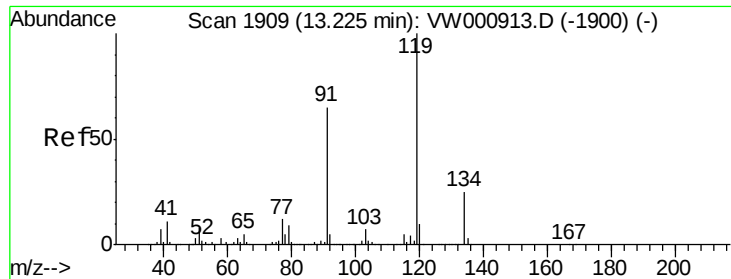
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#82
4-Chlorotoluene
Concen: 20.63 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





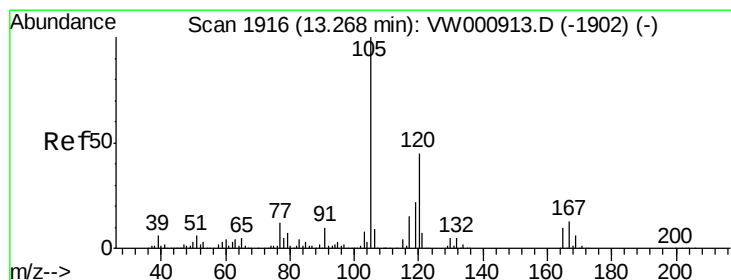
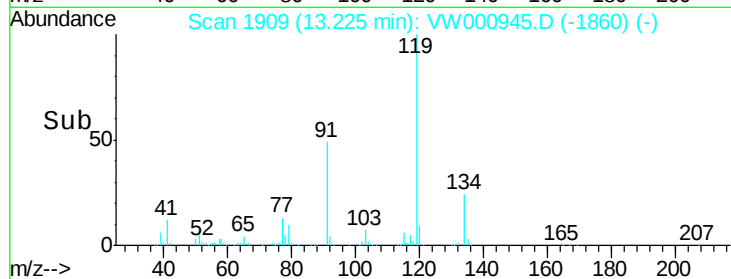
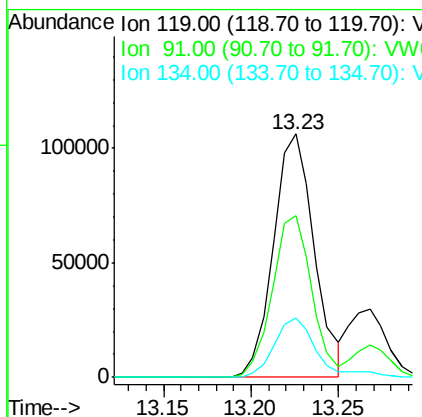
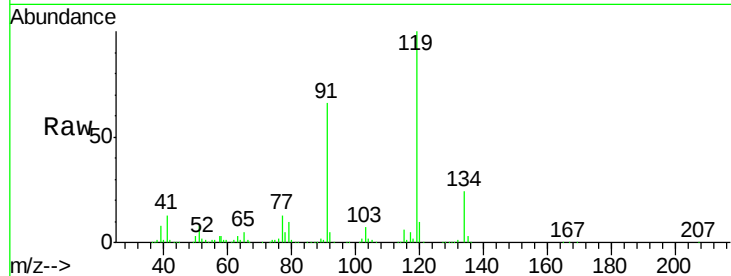
#83
tert-Butylbenzene
Concen: 20.58 ug/l
RT: 13.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.4	97.0
134	25.9	13.1	39.3

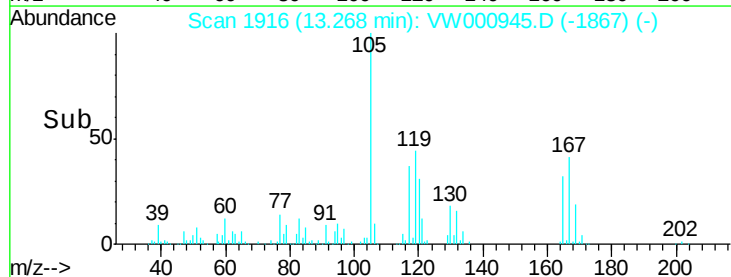
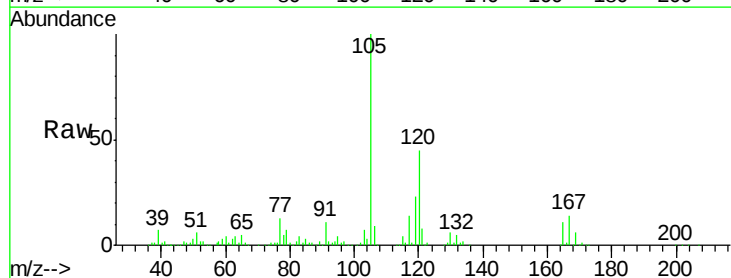
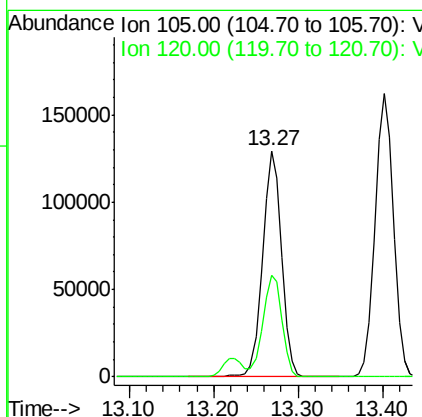
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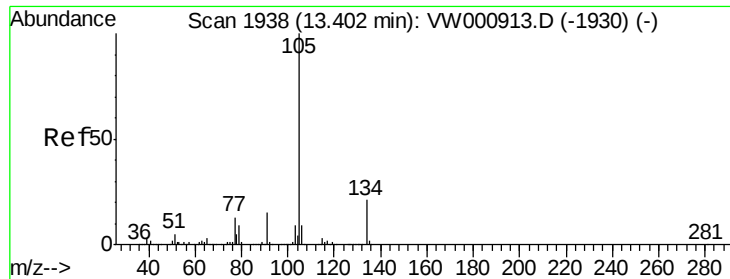
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.75 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.40 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS01

Tot Ion:105 Resp: 246921

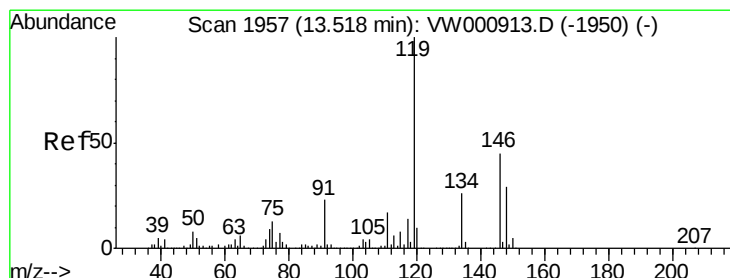
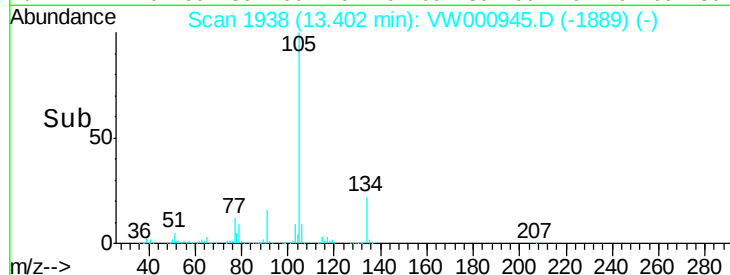
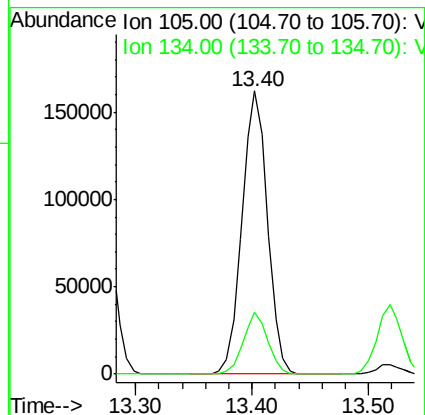
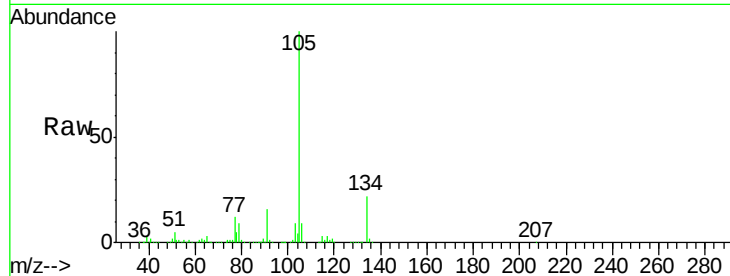
Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 20.46 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

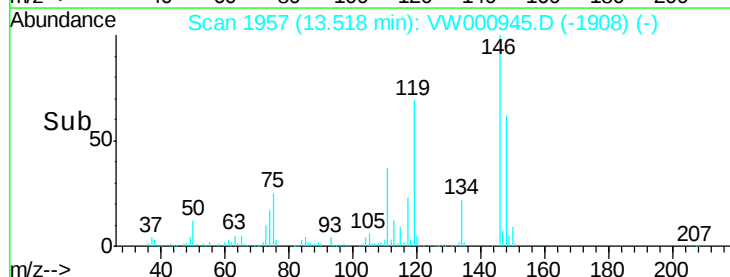
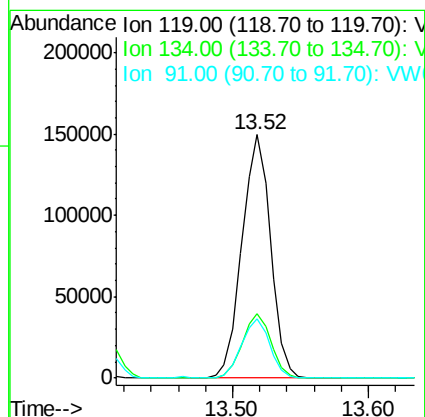
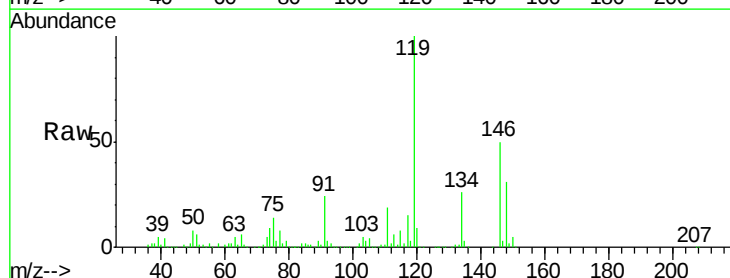
Tgt Ion:119 Resp: 219635

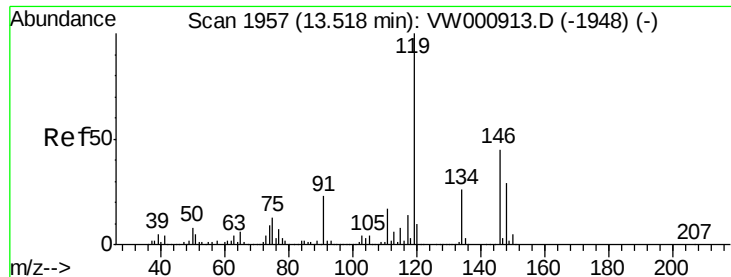
Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.6

91 23.8 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 20.43 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

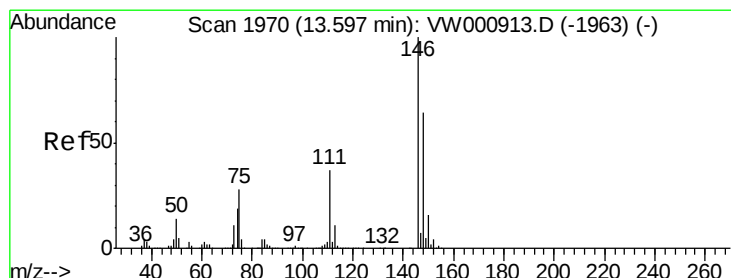
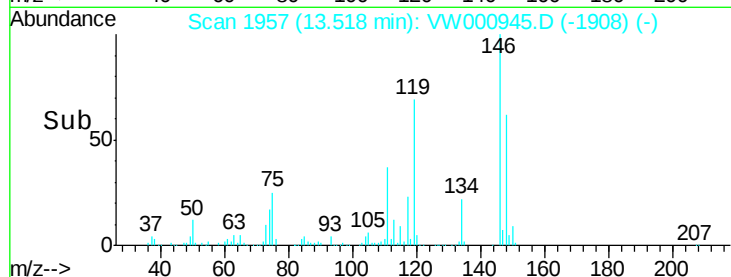
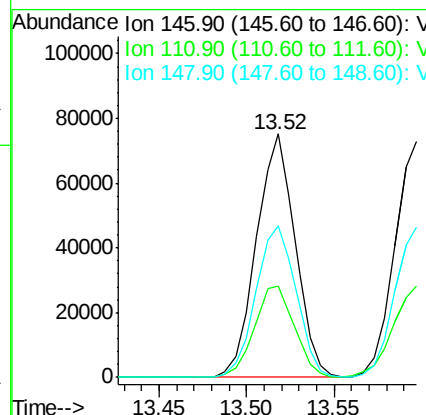
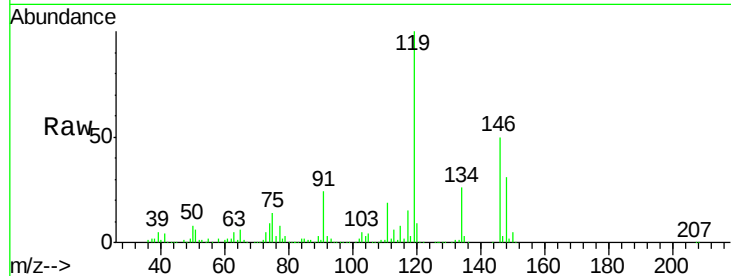
Instrument :
MSVOA_W

ClientSampleId :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.6	32.4	97.0

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#88

1,4-Dichlorobenzene

Concen: 20.34 ug/l

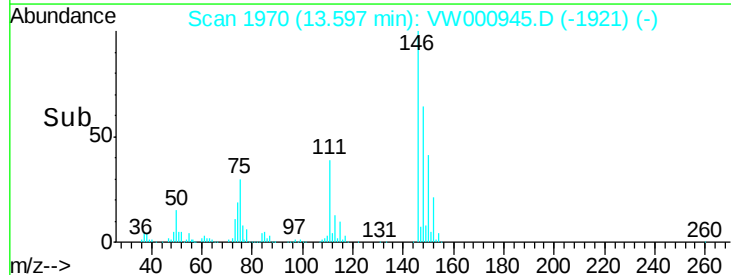
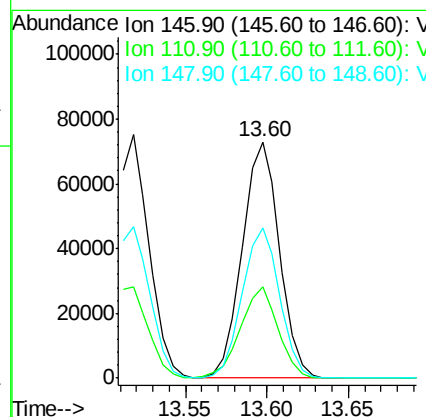
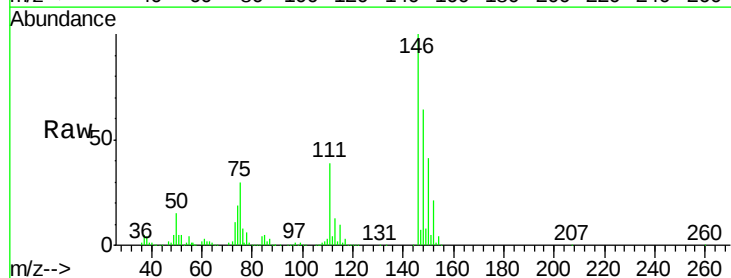
RT: 13.60 min Scan# 1970

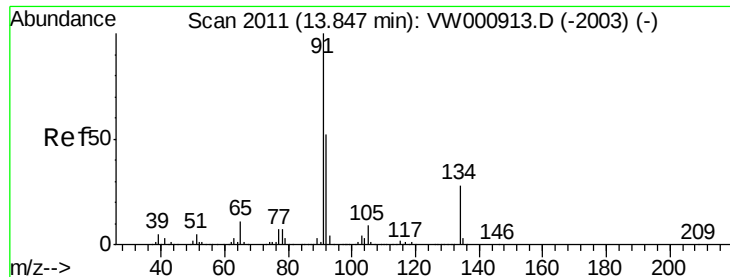
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.0	57.0
148	63.8	32.4	97.2





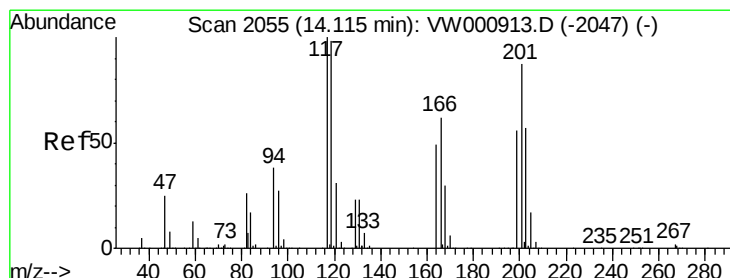
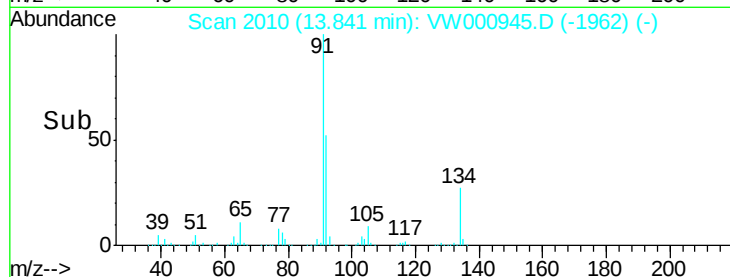
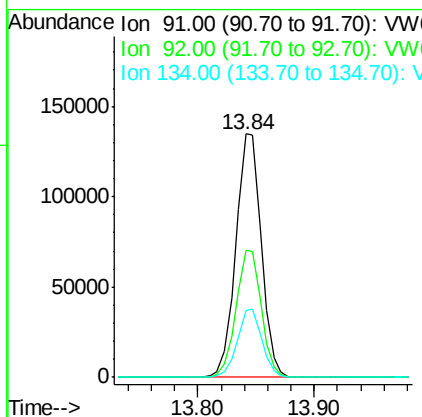
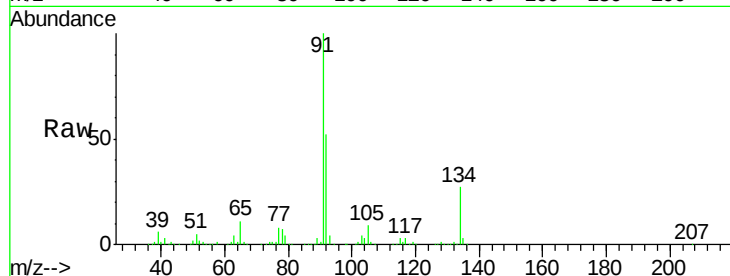
#89
n-Butylbenzene
Concen: 20.31 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	27.0	13.7	41.1

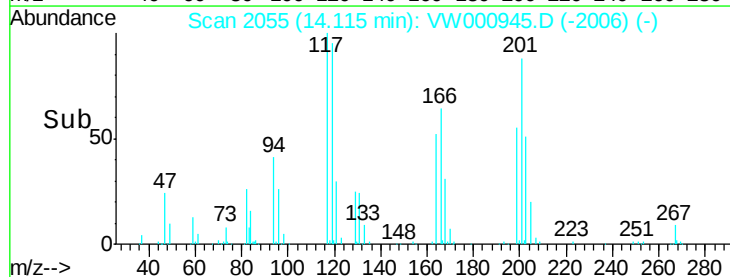
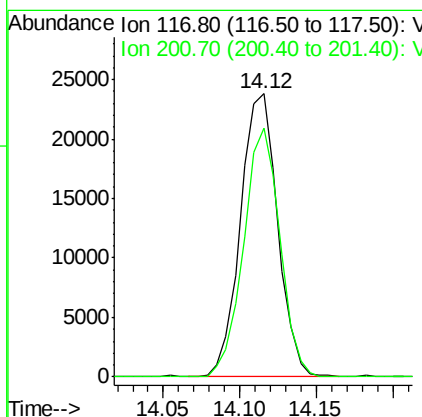
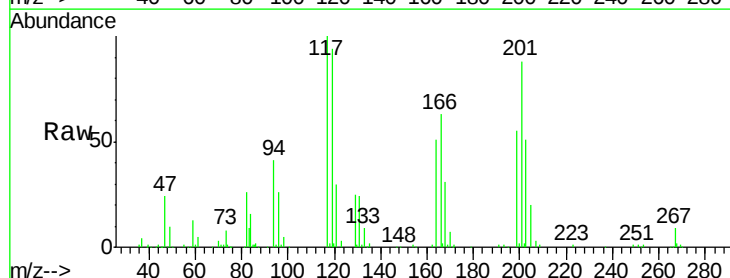
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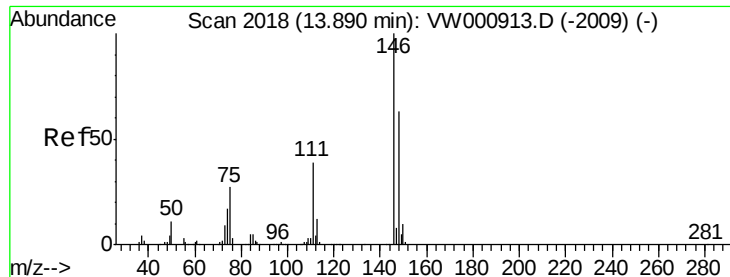
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#90
Hexachloroethane
Concen: 20.18 ug/l
RT: 14.12 min Scan# 2055
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.8	128.3





#91

1,2-Dichlorobenzene

Concen: 20.62 ug/l

RT: 13.89 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

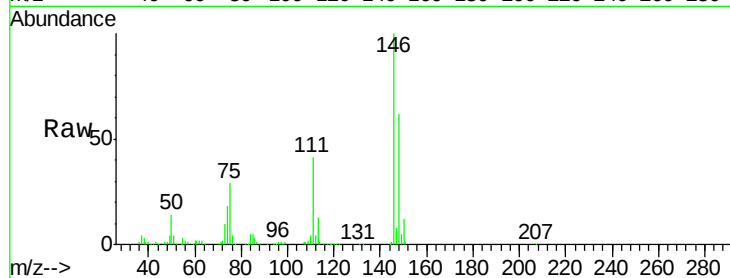
ClientSampleId :

VW0124SBS01

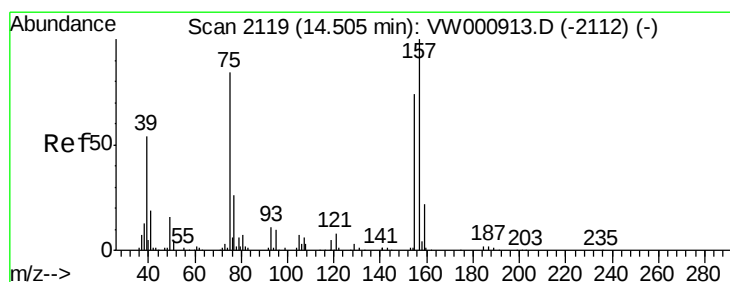
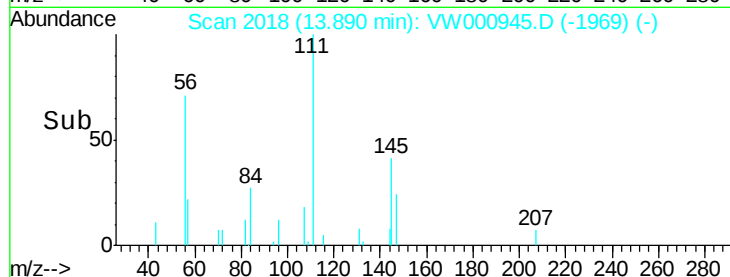
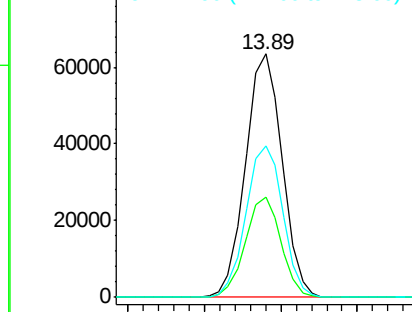
Tot Ion:	146	Resp:	105455
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.8	59.4
148	62.7	31.8	95.3

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.64 ug/l

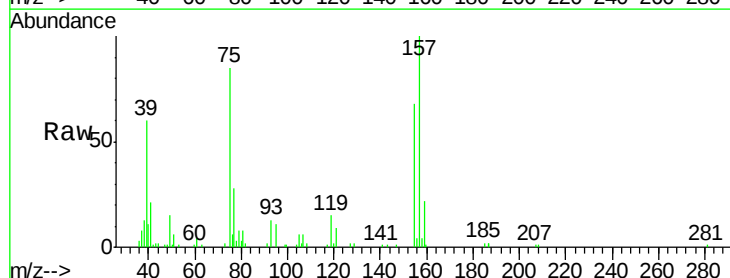
RT: 14.51 min Scan# 2119

Delta R.T. 0.00 min

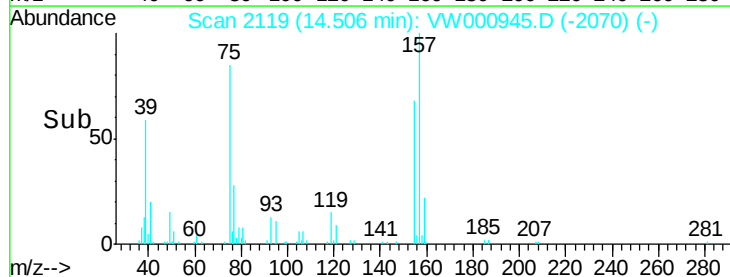
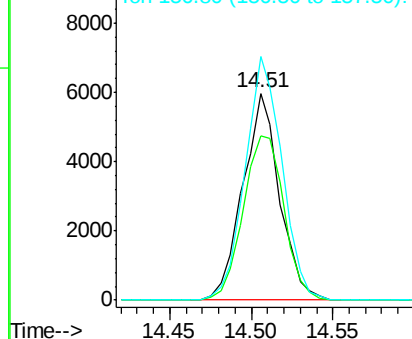
Lab File: VW000945.D

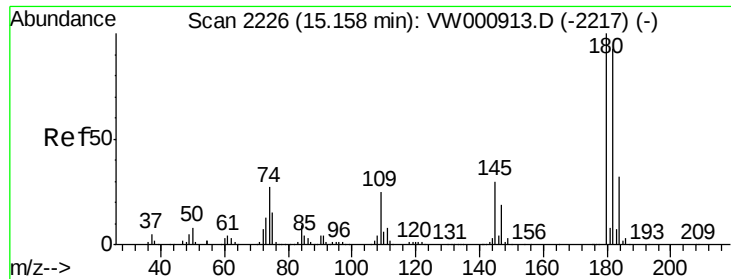
Acq: 24 Jan 2018 14:02

Tgt Ion:	75	Resp:	9364
Ion Ratio	Lower	Upper	
75	100		
155	87.9	45.9	137.6
157	118.1	59.8	179.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





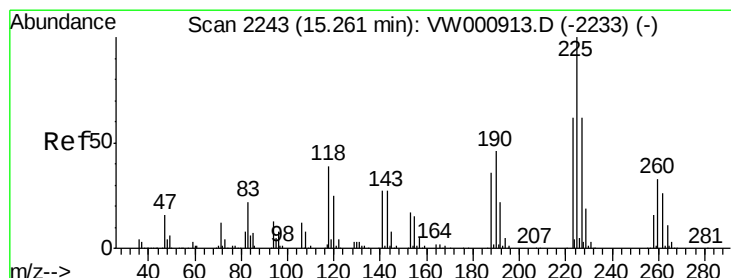
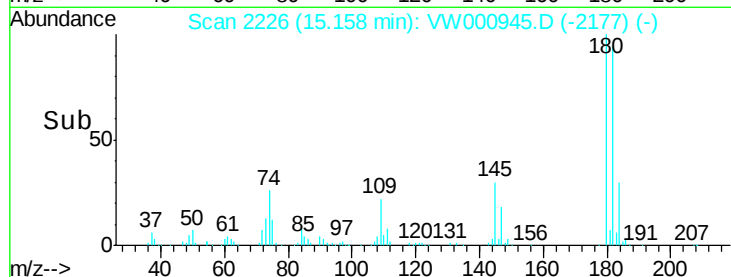
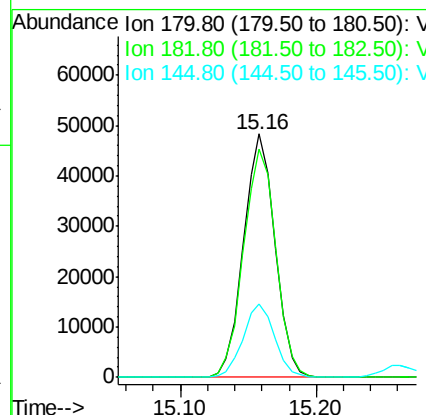
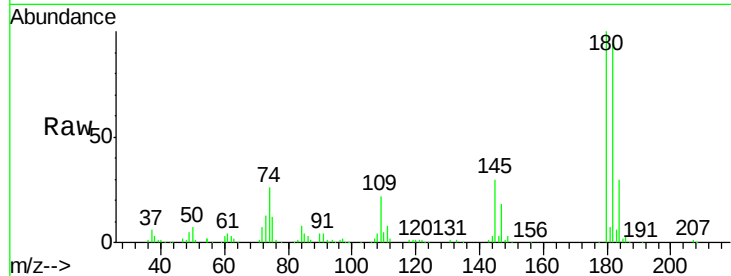
#93
 1,2,4-Trichlorobenzene
 Concen: 20.42 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.5	142.6
145	30.2	14.9	44.7

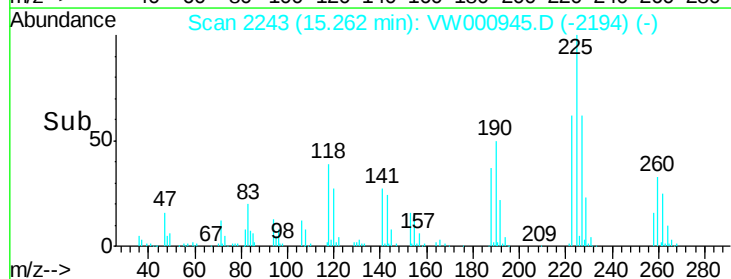
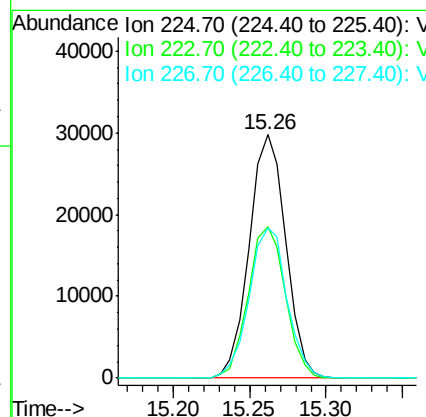
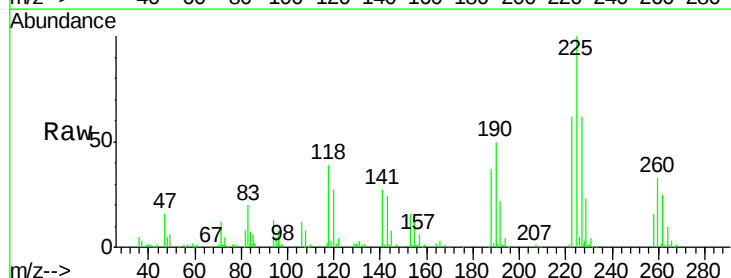
Manual Integrations
 APPROVED

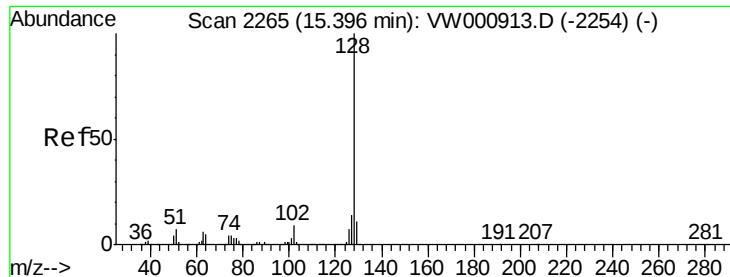
MMDadoda
 1/25/2018 1:33:57 PM



#94
 Hexachlorobutadiene
 Concen: 20.46 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.3	93.8
227	63.8	31.8	95.3





#95

Naphthalene

Concen: 19.05 ug/l

RT: 15.40 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

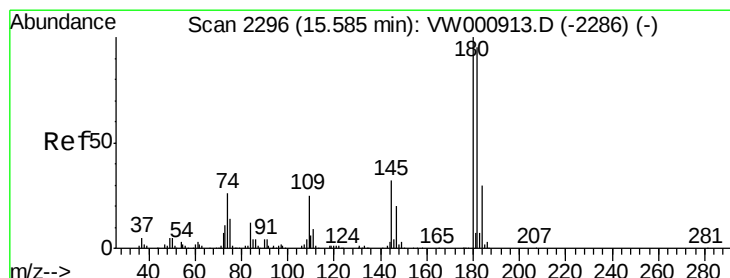
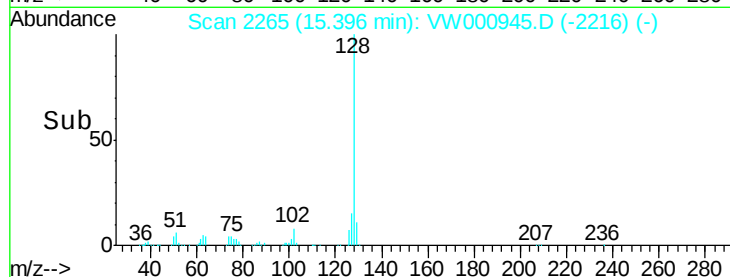
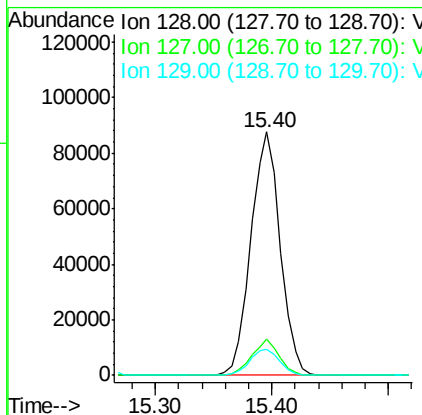
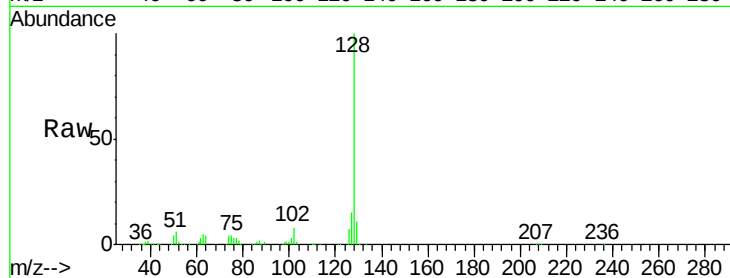
ClientSampleId :

VW0124SBS01

Tot Ion:	128	Resp:	153259
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/25/2018 1:33:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.60 ug/l

RT: 15.58 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	180	Resp:	72235
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.3
145	32.3	15.8	47.3

