

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
 Data File : VW008591.D
 Acq On : 11 Feb 2019 12:29
 Operator : SY/VA
 Sample : VW0211SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Manual Integrations
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 2/12/2019 1:51:12 PM

Quant Time: Feb 12 04:43:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	470270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	715562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	624007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	325361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	238518	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.88	113	232244	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
50) Toluene-d8	10.32	98	900844	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.62	95	332834	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	36613	15.848	ug/l	91
3) Chloromethane	2.21	50	62554	16.296	ug/l	98
4) Vinyl Chloride	2.36	62	86630	17.728	ug/l	97
5) Bromomethane	2.78	94	69491	22.048	ug/l	97
6) Chloroethane	2.92	64	67734	22.665	ug/l	98
7) Trichlorofluoromethane	3.25	101	64613	18.490	ug/l	96
8) Diethyl Ether	3.67	74	39765	16.956	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	77202	18.151	ug/l	97
10) Methyl Iodide	4.26	142	120142	17.883	ug/l	99
11) Tert butyl alcohol	5.20	59	24600	66.136	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	75233	17.478	ug/l	94
13) Acrolein	3.89	56	22840	72.617	ug/l	99
14) Allyl chloride	4.65	41	134306	16.431	ug/l	96
15) Acrylonitrile	5.37	53	79717	78.718	ug/l	99
16) Acetone	4.12	43	80585	77.674	ug/l	98
17) Carbon Disulfide	4.37	76	216436	15.743	ug/l	97
18) Methyl Acetate	4.67	43	42978	15.531	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	126652	17.783	ug/l	98
20) Methylene Chloride	4.90	84	86668	18.124	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	86879	17.953	ug/l	92
22) Diisopropyl ether	6.31	45	260059	16.787	ug/l	98
23) Vinyl Acetate	6.25	43	738343	80.718	ug/l	100
24) 1,1-Dichloroethane	6.20	63	150196	17.129	ug/l	98
25) 2-Butanone	7.17	43	112439	78.026	ug/l	96
26) 2,2-Dichloropropane	7.15	77	106375	17.947	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	92367	17.514	ug/l	99
28) Bromochloromethane	7.50	49	75161	18.662	ug/l	98
29) Tetrahydrofuran	7.52	42	69619	76.237	ug/l	98
30) Chloroform	7.67	83	153282	17.772	ug/l	97
31) Cyclohexane	7.95	56	150358	16.583	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	134729	18.086	ug/l	100
36) 1,1-Dichloropropene	8.07	75	127426	18.852	ug/l	99
37) Ethyl Acetate	7.26	43	50664	16.942	ug/l	97
38) Carbon Tetrachloride	8.06	117	130078	19.124	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	157055	17.687	ug/l	96
40) Benzene	8.32	78	343195	18.298	ug/l	100
41) Methacrylonitrile	7.48	41	31344	17.701	ug/l	99
42) 1,2-Dichloroethane	8.40	62	98741	18.166	ug/l	99
43) Isopropyl Acetate	8.42	43	104512	16.822	ug/l	98
44) Trichloroethene	9.09	130	95978	18.818	ug/l	97
45) 1,2-Dichloropropane	9.37	63	83412	17.836	ug/l	95
46) Dibromomethane	9.46	93	43389	18.038	ug/l	96
47) Bromodichloromethane	9.64	83	116533	18.316	ug/l	99
48) Methyl methacrylate	9.43	41	47732	15.712	ug/l	98
49) 1,4-Dioxane	9.46	88	13160	323.676	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	252192	82.165	ug/l	99
52) Toluene	10.38	92	221144	17.861	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	116008	17.136	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	132921	17.301	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	59568	17.854	ug/l	96
56) Ethyl methacrylate	10.65	69	76250	16.310	ug/l	98
57) 1,3-Dichloropropane	10.93	76	107308	17.953	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	221156	97.364	ug/l	98
59) 2-Hexanone	10.97	43	179810	82.983	ug/l	97
60) Dibromochloromethane	11.13	129	73926	17.242	ug/l	98
61) 1,2-Dibromoethane	11.23	107	57152	17.276	ug/l	100
64) Tetrachloroethene	10.86	164	82078	19.427	ug/l	98
65) Chlorobenzene	11.66	112	240785	18.903	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	85412	18.741	ug/l	99
67) Ethyl Benzene	11.73	91	430900	18.403	ug/l	99
68) m/p-Xylenes	11.84	106	338132	37.219	ug/l	97
69) o-Xylene	12.16	106	159774	18.509	ug/l	97
70) Styrene	12.18	104	247673	17.370	ug/l	98
71) Bromoform	12.35	173	44034	17.172	ug/l #	99
73) Isopropylbenzene	12.46	105	444518	18.326	ug/l	99
74) N-amyl acetate	12.27	43	98611	15.781	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	65142	16.963	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	46888m	16.575	ug/l	
77) Bromobenzene	12.75	156	97970	18.494	ug/l	95
78) n-propylbenzene	12.80	91	528932	18.156	ug/l	99
79) 2-Chlorotoluene	12.89	91	296136	18.013	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	365865	18.046	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22122	15.446	ug/l	90
82) 4-Chlorotoluene	12.99	91	307236	17.553	ug/l	97
83) tert-Butylbenzene	13.21	119	322946	17.900	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	374729	18.184	ug/l	99
85) sec-Butylbenzene	13.38	105	469783	18.233	ug/l	99
86) p-Isopropyltoluene	13.50	119	419896	18.605	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	199290	18.628	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	197062	18.534	ug/l	99
89) n-Butylbenzene	13.83	91	397947	17.958	ug/l	98
90) Hexachloroethane	14.10	117	78587	17.805	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	173331	18.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12020	16.496	ug/l	93

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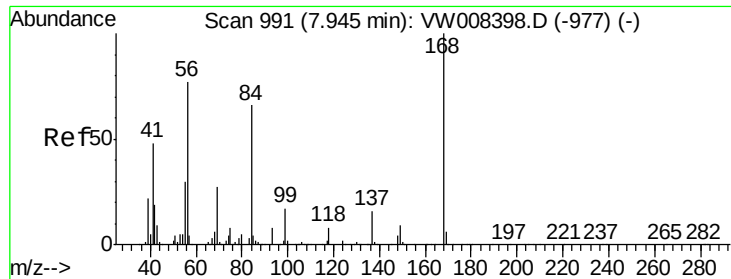
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	126979	18.797	ug/l	99
94) Hexachlorobutadiene	15.24	225	81906	20.119	ug/l	97
95) Naphthalene	15.37	128	207121	17.462	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	107047	18.681	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion:168 Resp: 470270

Ion Ratio Lower Upper

168 100

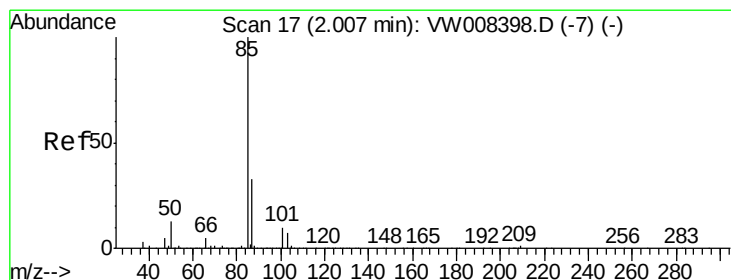
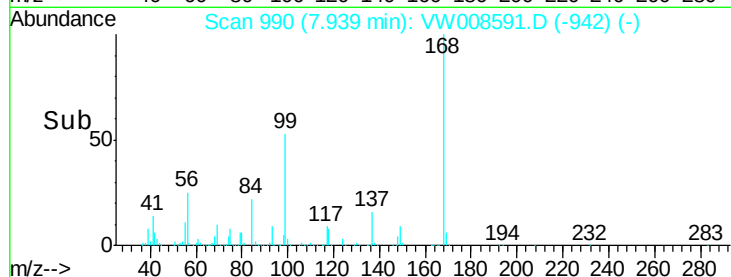
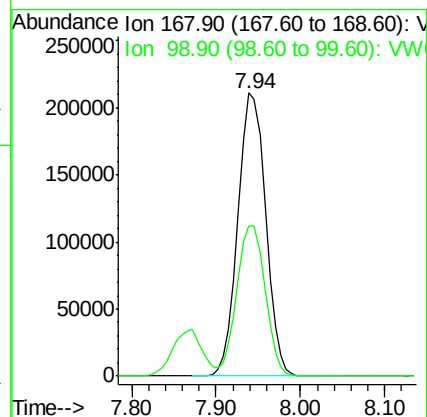
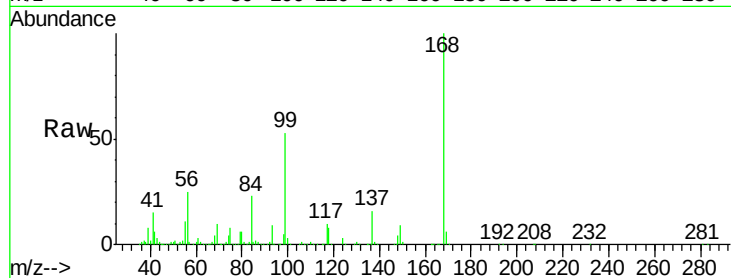
99 53.1 45.5 68.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.848 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008591.D

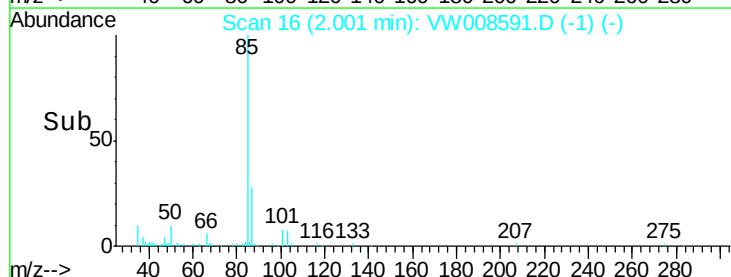
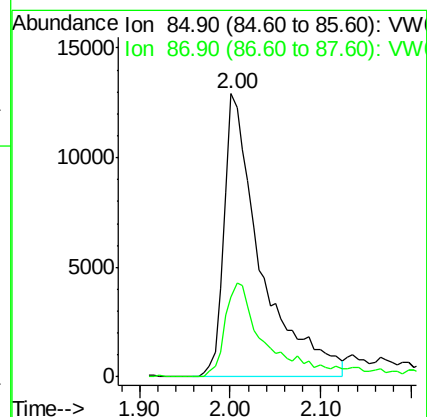
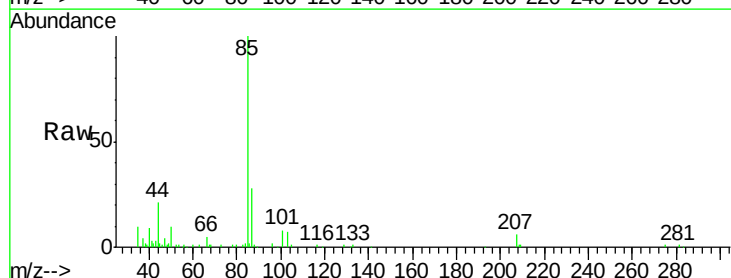
Acq: 11 Feb 2019 12:29

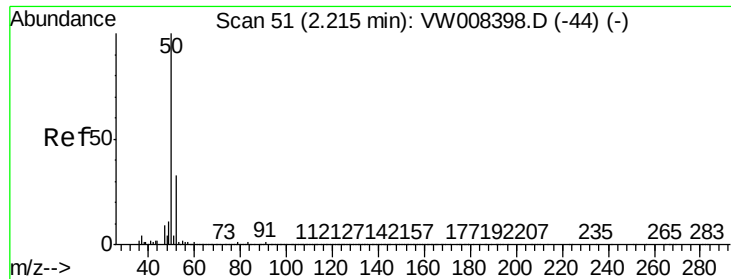
Tgt Ion: 85 Resp: 36613

Ion Ratio Lower Upper

85 100

87 28.0 16.7 50.1





#3

Chloromethane

Concen: 16.296 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

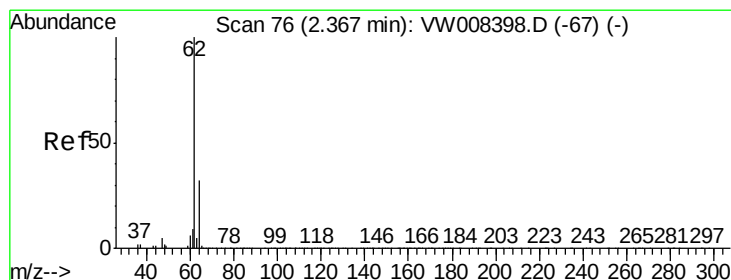
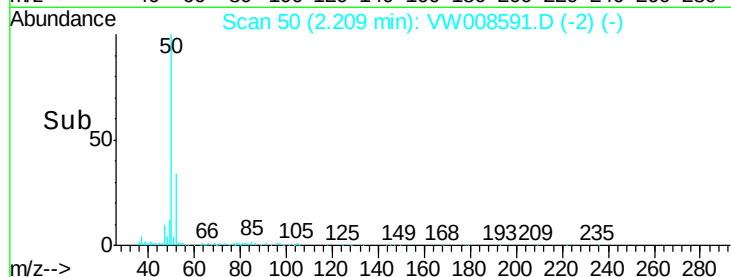
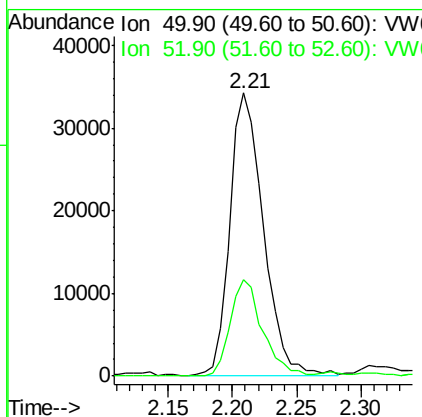
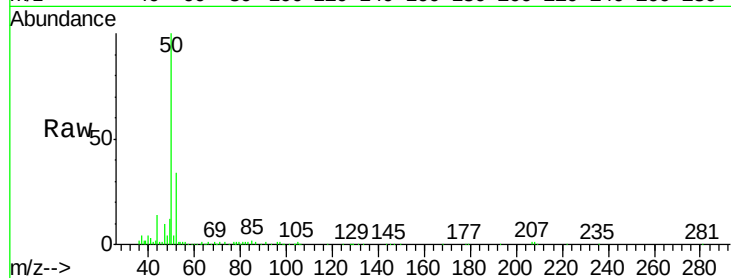
ClientSampleId :

VW0211SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.3	39.5

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#4

Vinyl Chloride

Concen: 17.728 ug/l

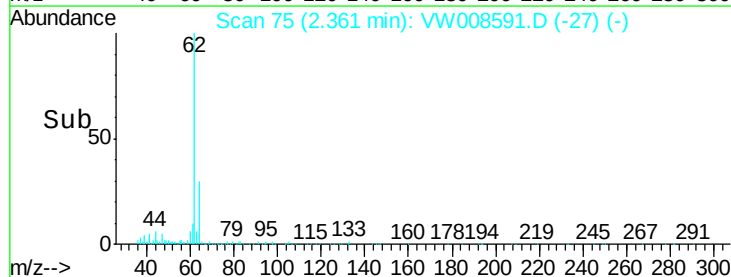
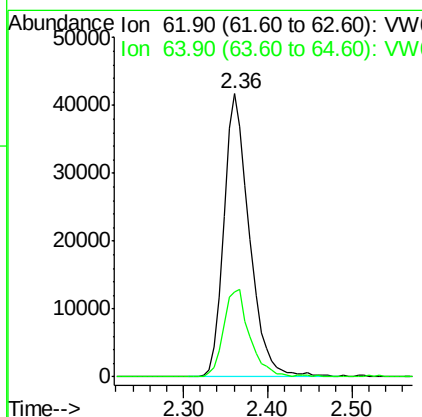
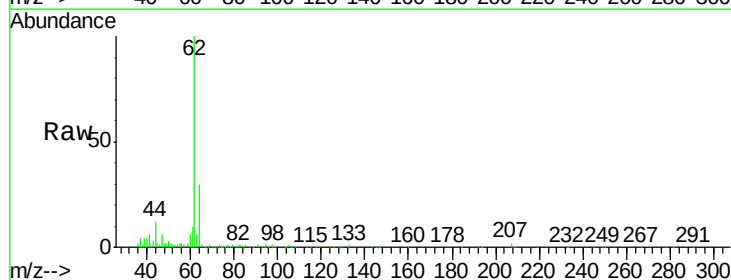
RT: 2.36 min Scan# 75

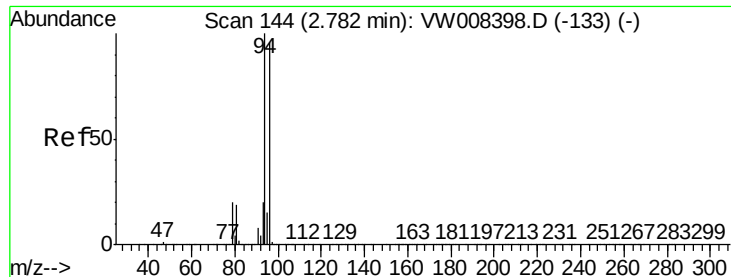
Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.5	38.3





#5

Bromomethane

Concen: 22.048 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 94 Resp: 69491

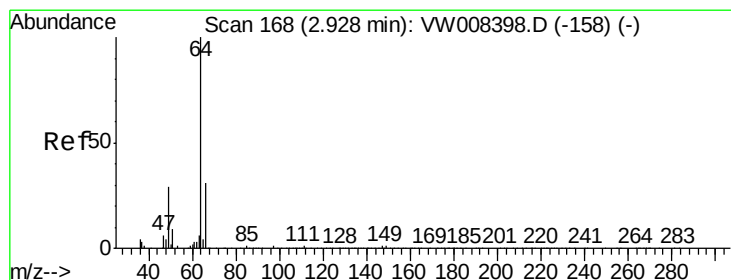
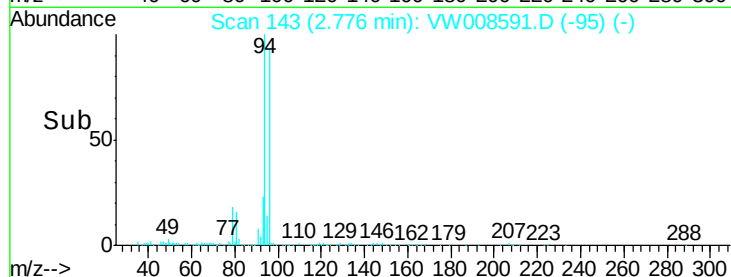
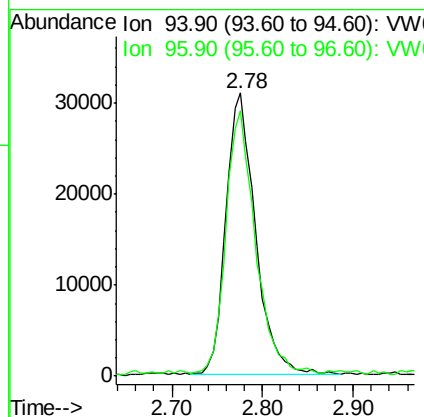
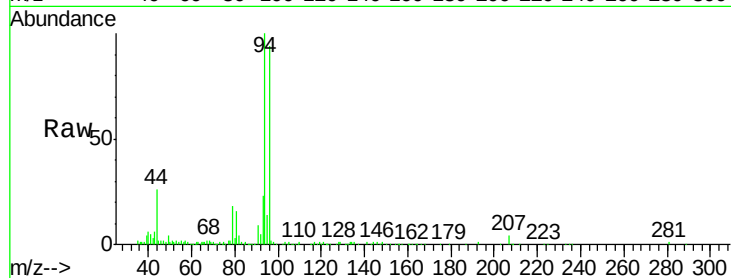
Ion Ratio Lower Upper

94 100

96 93.2 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 22.665 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008591.D

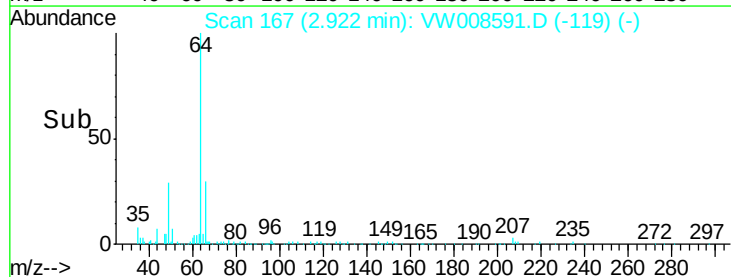
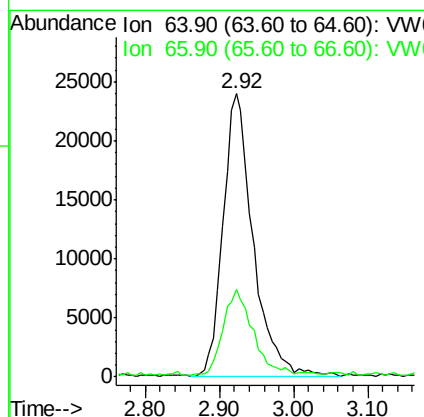
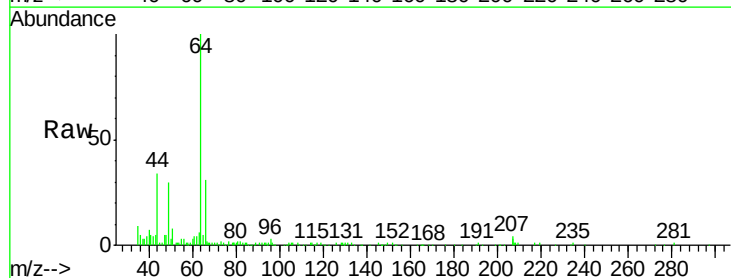
Acq: 11 Feb 2019 12:29

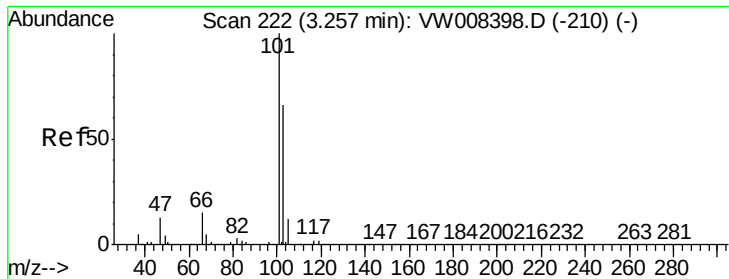
Tgt Ion: 64 Resp: 67734

Ion Ratio Lower Upper

64 100

66 30.1 24.9 37.3





#7

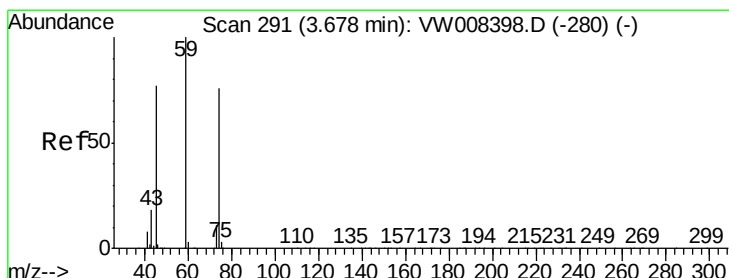
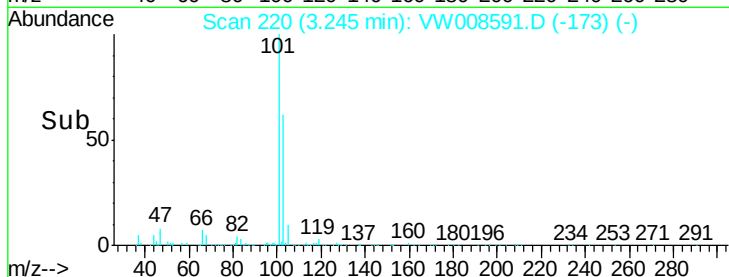
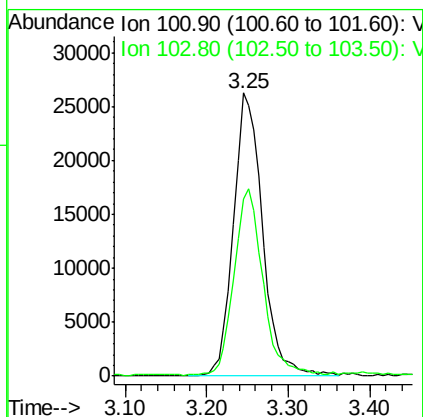
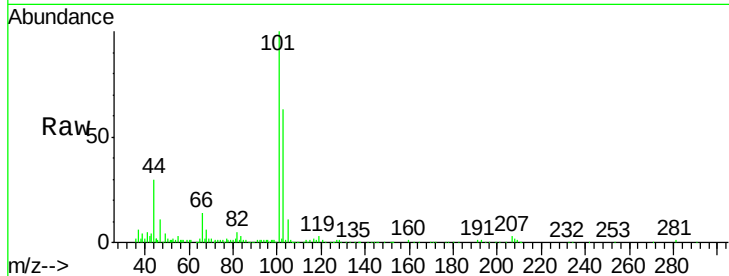
Trichlorofluoromethane
Concen: 18.490 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.5	78.7

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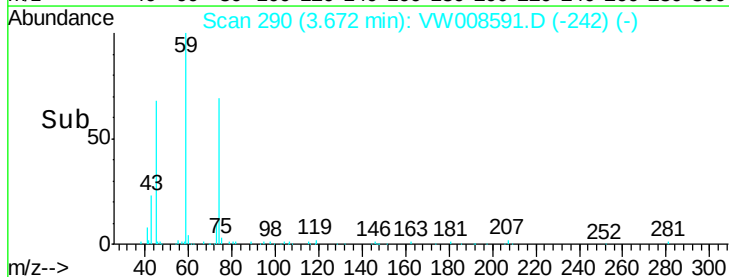
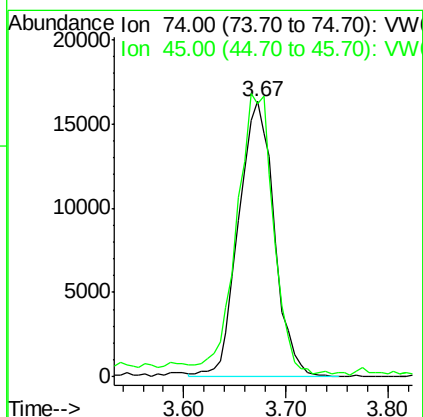
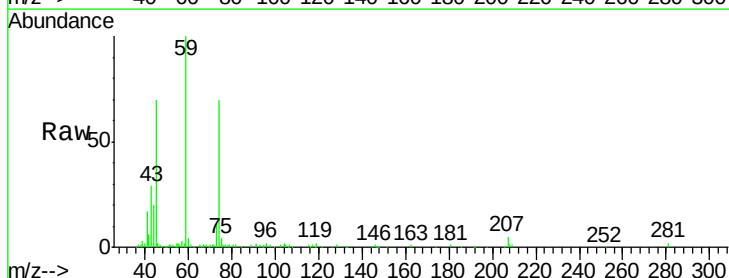
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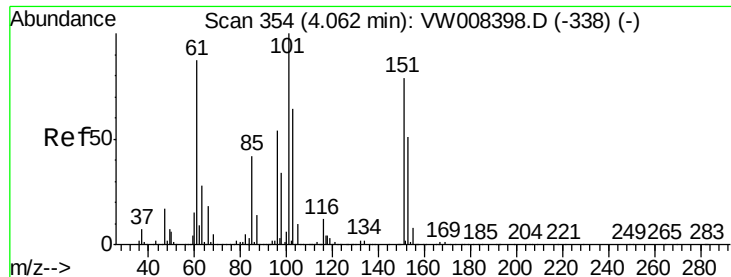


#8

Diethyl Ether
Concen: 16.956 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.151 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

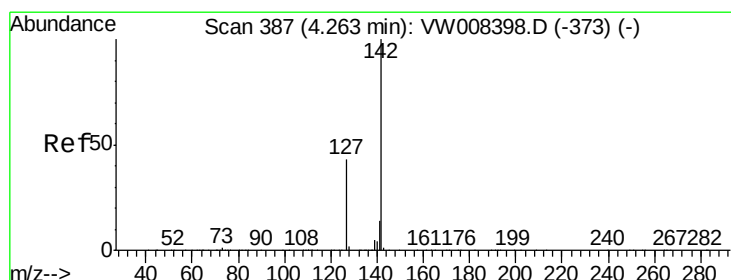
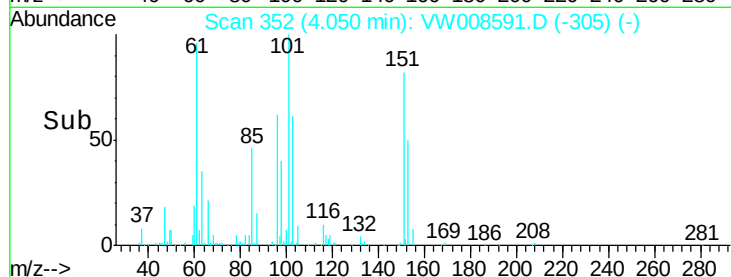
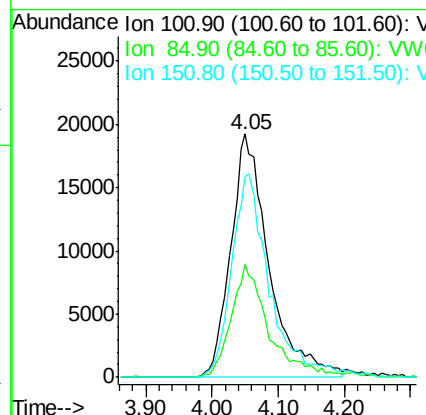
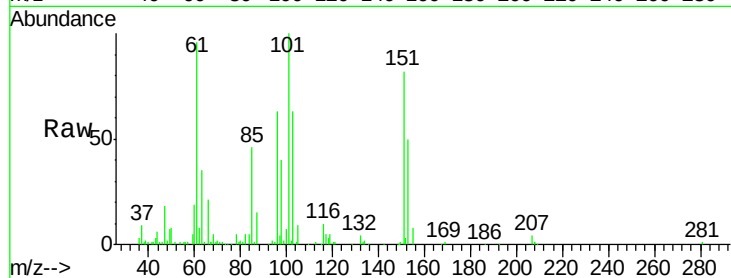
ClientSampled :

VW0211SBS01

Tot Ion:	101	Resp:	77202
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.0	52.4
151	81.6	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.883 ug/l

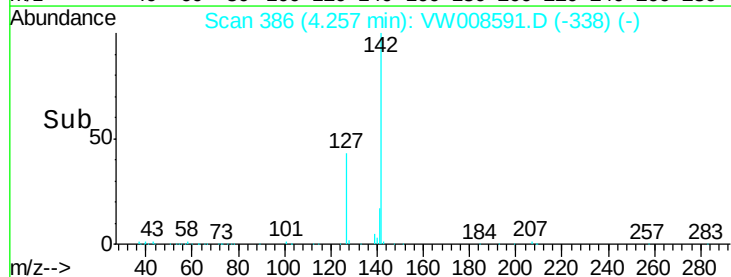
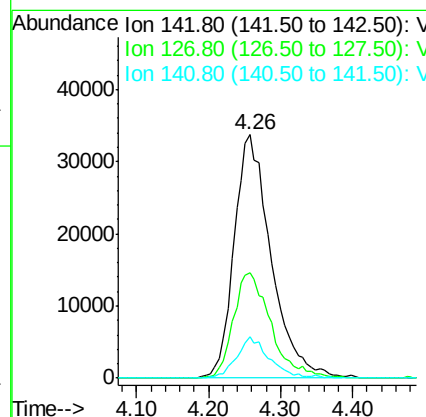
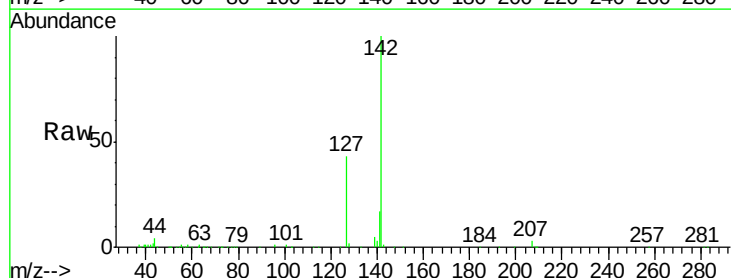
RT: 4.26 min Scan# 386

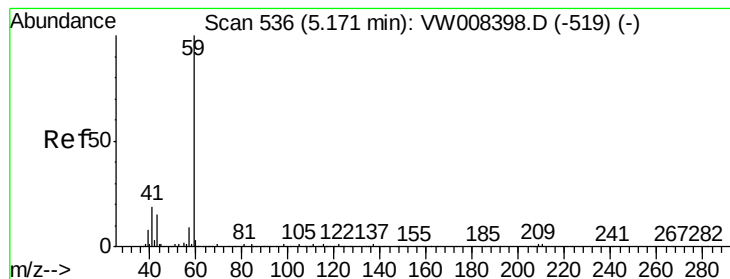
Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	142	Resp:	120142
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.6	52.0
141	14.9	11.4	17.2





#11

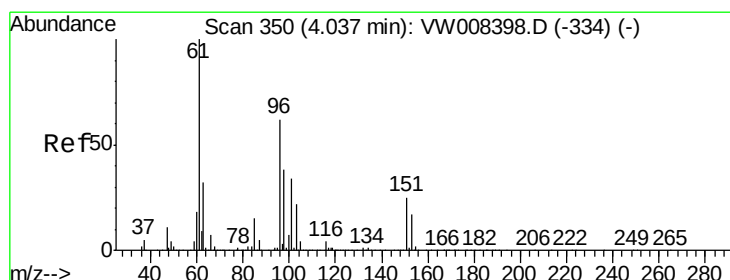
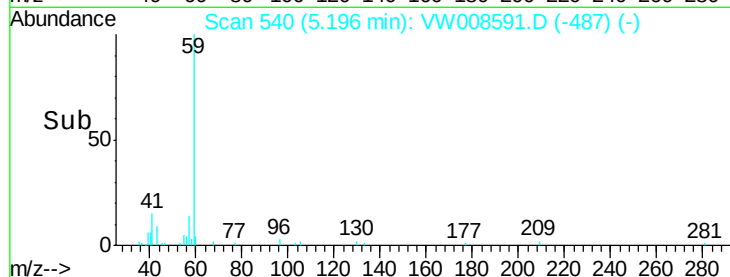
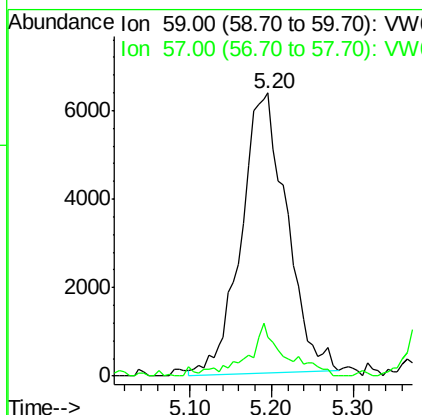
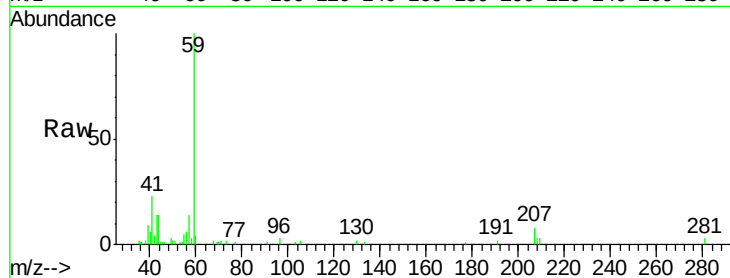
Tert butyl alcohol
Concen: 66.136 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.3	9.3	13.9#

Manual Integrations
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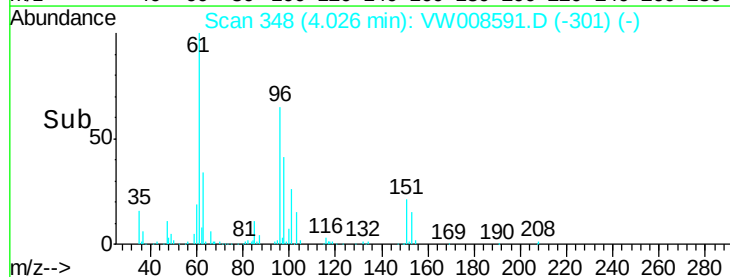
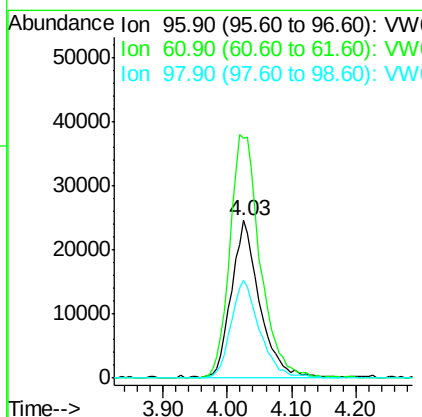
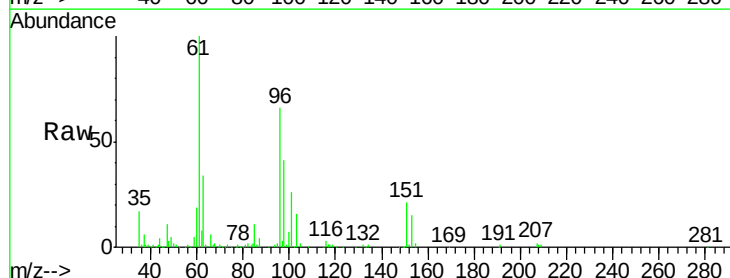
MMDadoda
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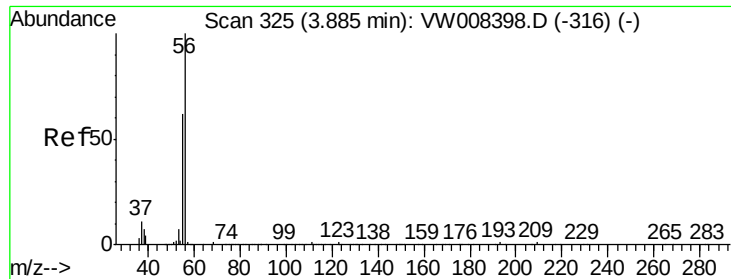


#12

1,1-Dichloroethene
Concen: 17.478 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	129.5	194.3
98	62.1	48.6	73.0





#13

Acrolein

Concen: 72.617 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 56 Resp: 22840

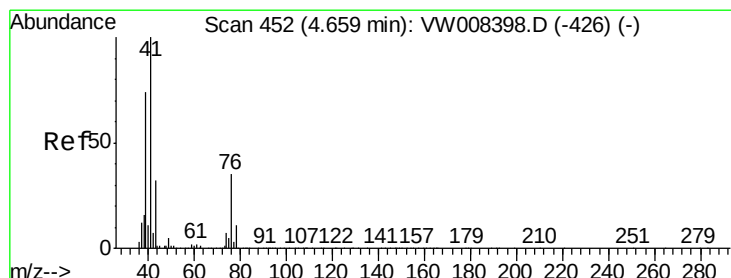
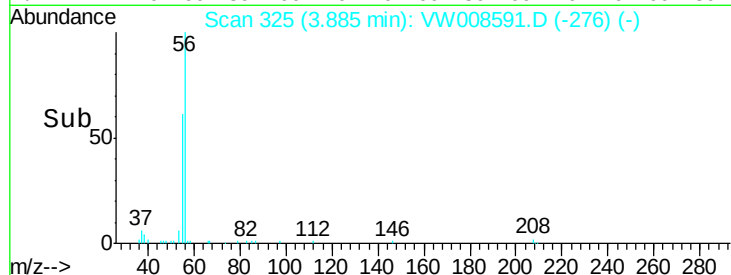
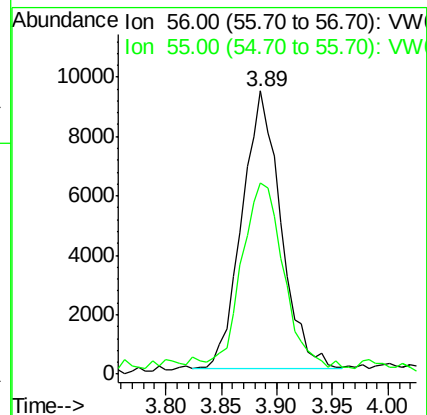
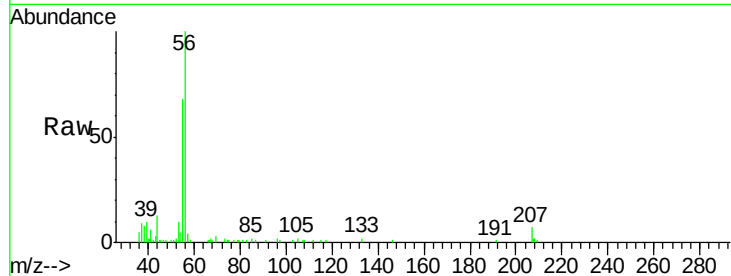
Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 16.431 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

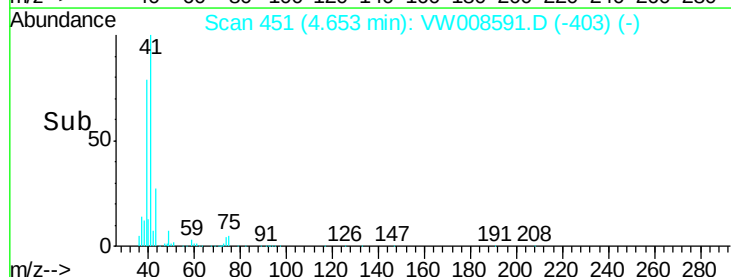
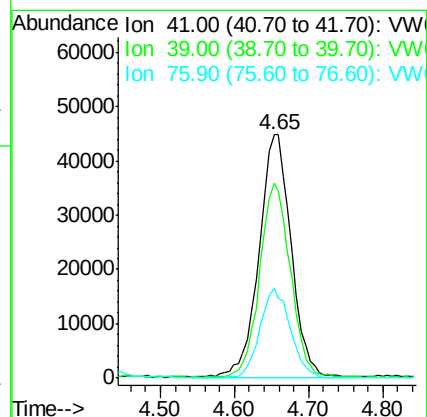
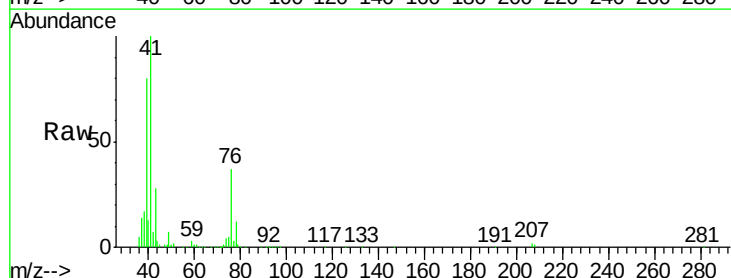
Tgt Ion: 41 Resp: 134306

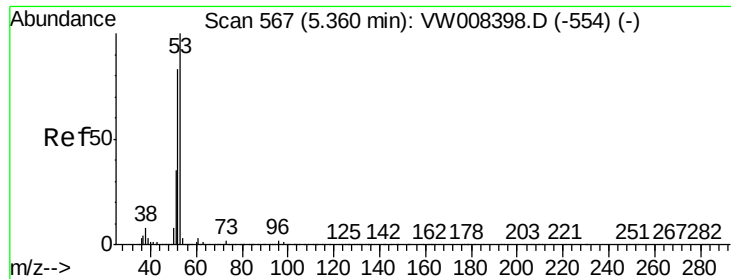
Ion Ratio Lower Upper

41 100

39 76.1 57.7 86.5

76 35.1 26.9 40.3





#15

Acrylonitrile

Concen: 78.718 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

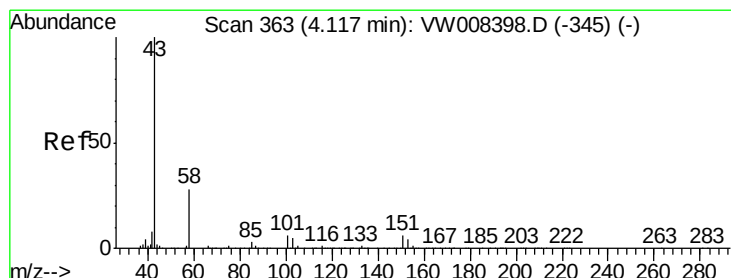
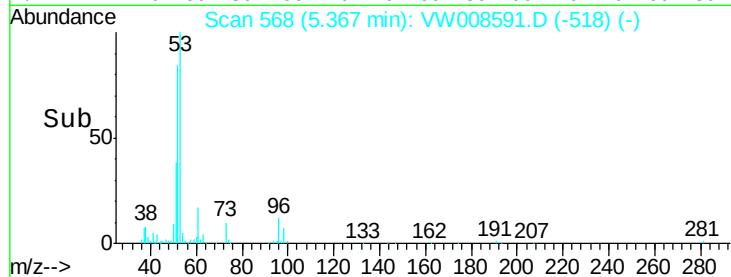
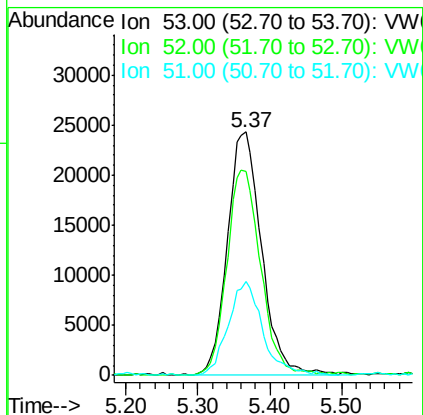
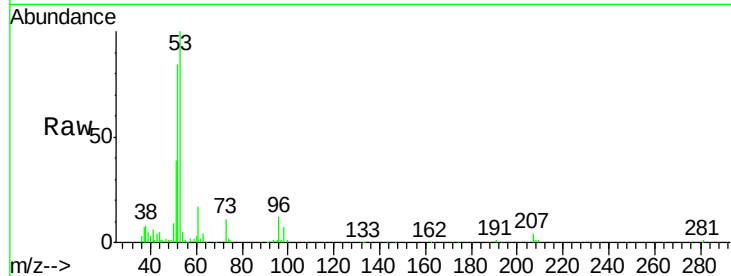
ClientSampleId :

VW0211SBS01

Tot Ion:	53	Resp:	79717
Ion Ratio	Lower	Upper	
53	100		
52	84.2	67.0	100.4
51	39.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 77.674 ug/l

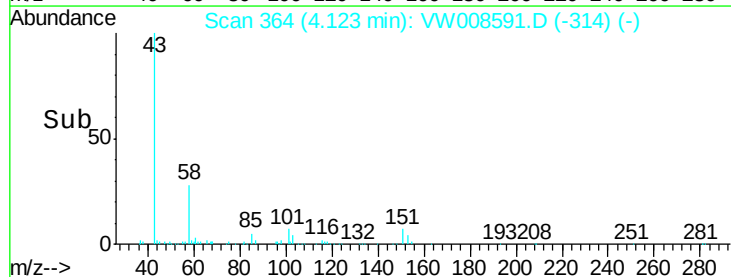
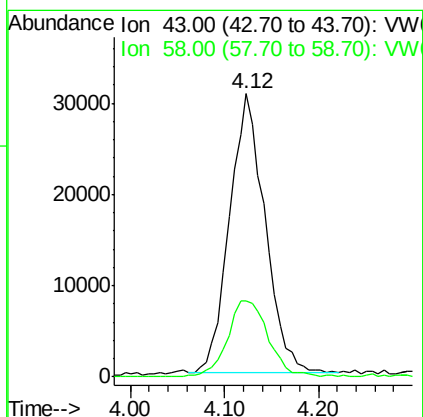
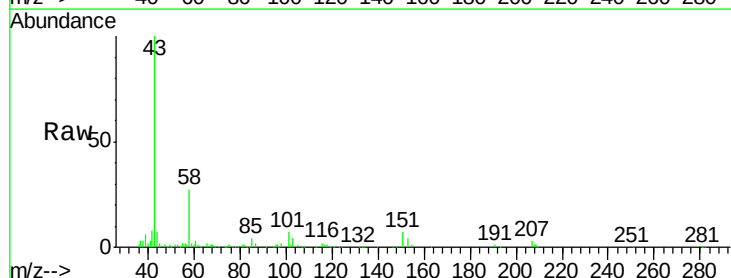
RT: 4.12 min Scan# 364

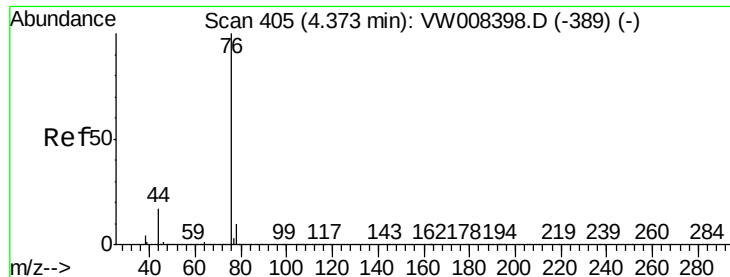
Delta R.T. 0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	43	Resp:	80585
Ion Ratio	Lower	Upper	
43	100		
58	27.0	22.6	34.0





#17

Carbon Disulfide

Concen: 15.743 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 76 Resp: 216436

Ion Ratio Lower Upper

76 100

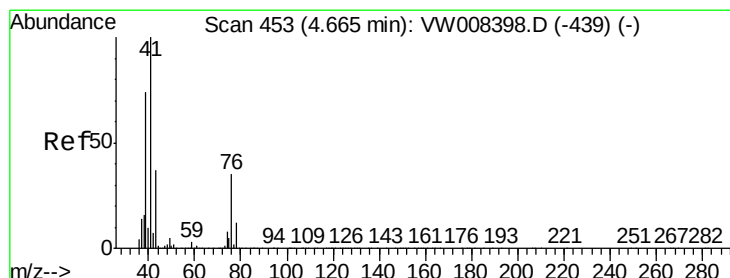
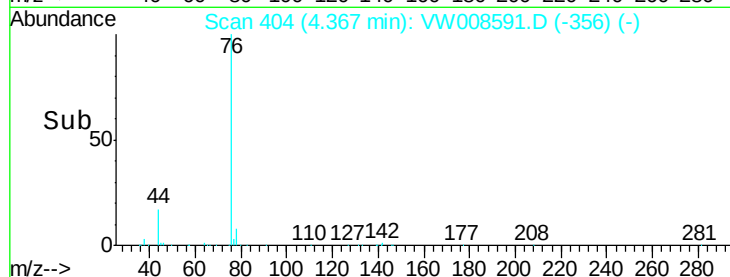
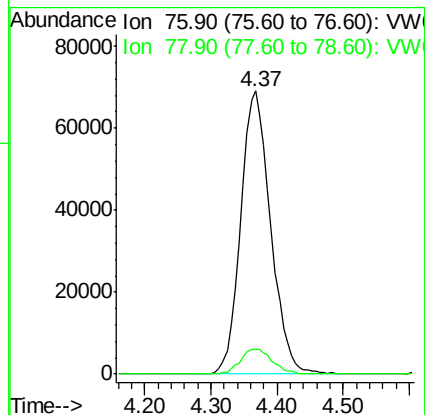
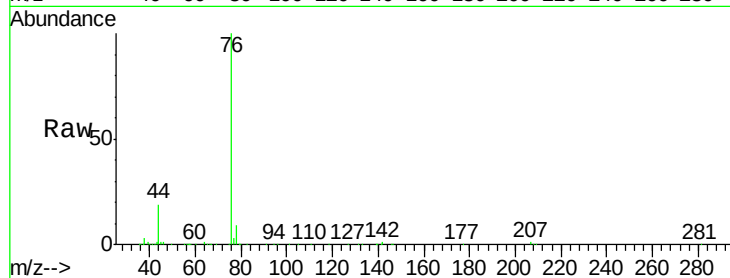
78 8.6 7.7 11.5

Manual Integrations

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#18

Methyl Acetate

Concen: 15.531 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008591.D

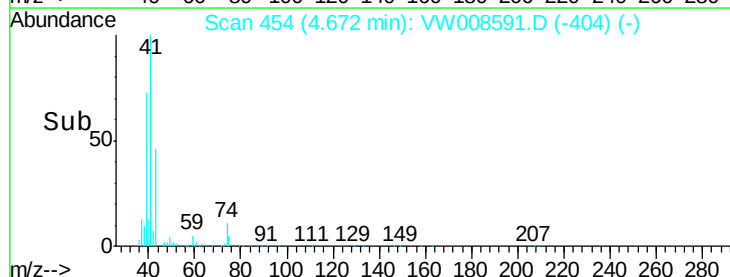
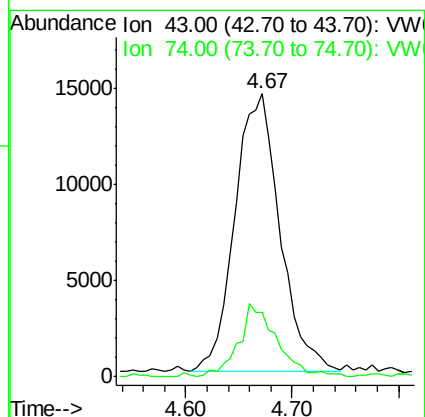
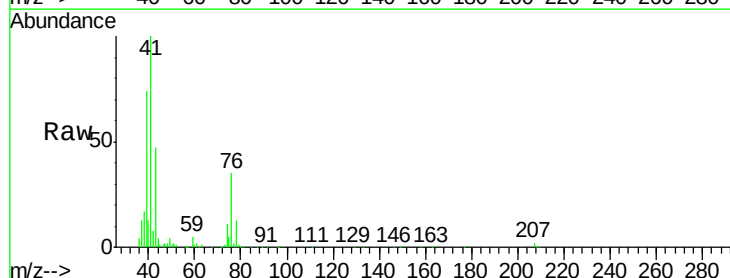
Acq: 11 Feb 2019 12:29

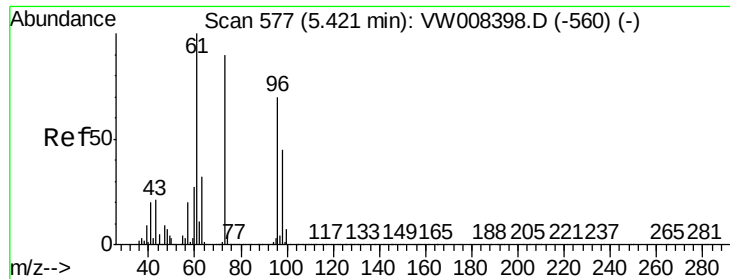
Tgt Ion: 43 Resp: 42978

Ion Ratio Lower Upper

43 100

74 22.4 17.5 26.3





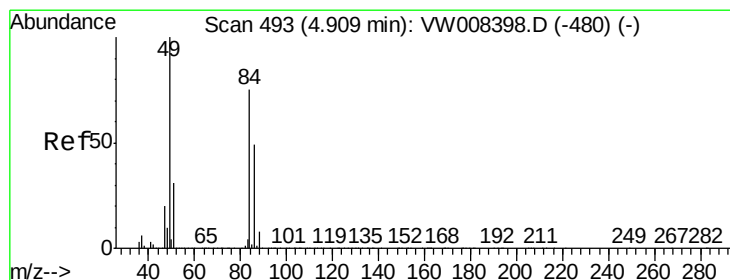
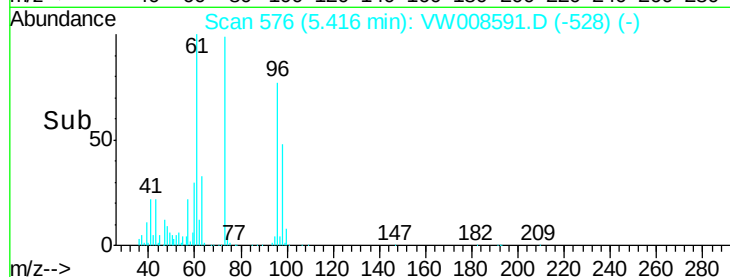
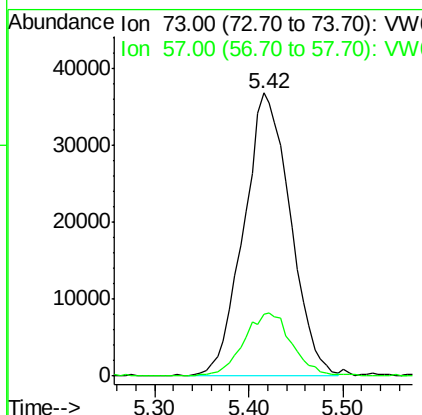
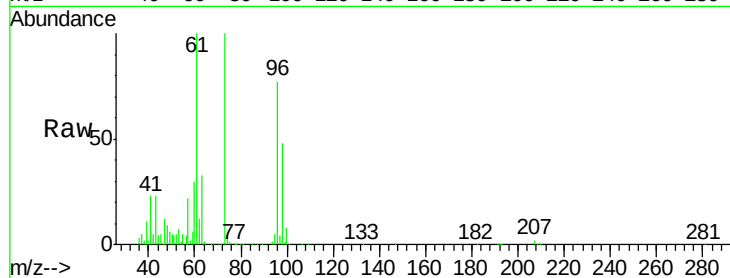
#19
Methyl tert-butyl Ether
Concen: 17.783 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion: 73 Resp: 126652
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0

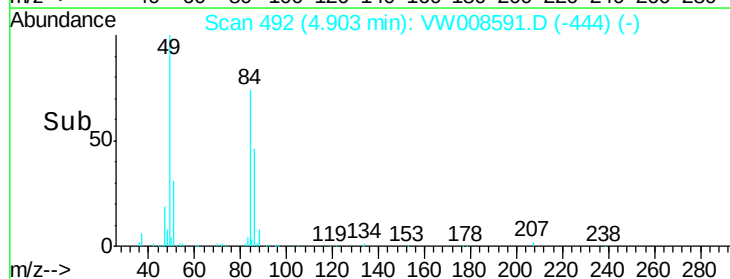
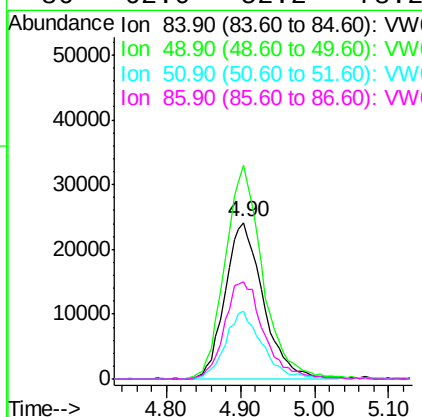
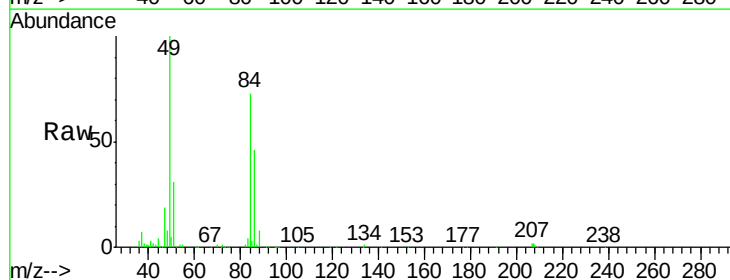
Manual Integrations
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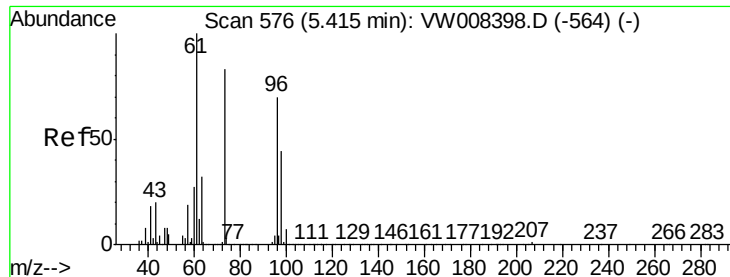
MMDadoda
2/12/2019 1:51:12 PM



#20
Methylene Chloride
Concen: 18.124 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion: 84 Resp: 86668
Ion Ratio Lower Upper
84 100
49 135.9 106.8 160.2
51 42.4 32.9 49.3
86 62.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 17.953 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

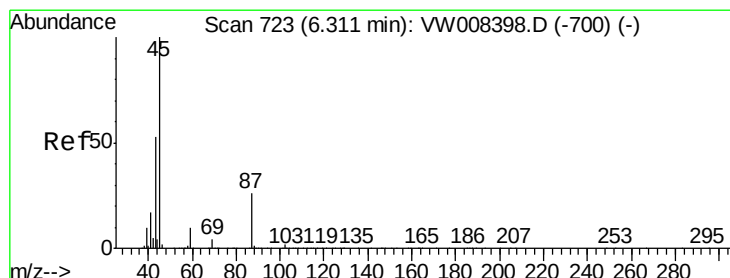
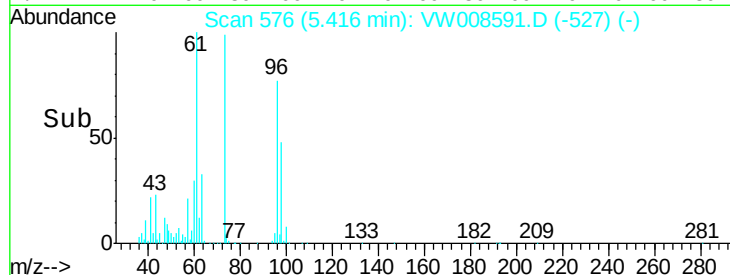
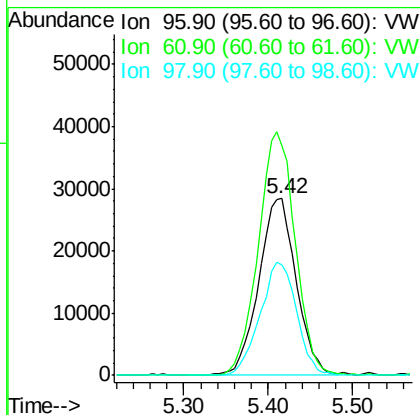
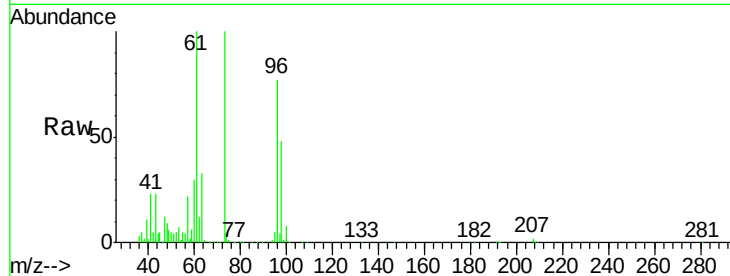
ClientSampled :

VW0211SBS01

Tot Ion:	96	Resp:	86879
Ion	Ratio	Lower	Upper
96	100		
61	130.2	114.4	171.6
98	62.3	50.6	75.8

Manual Integrations
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2/12/2019 1:51:12 PM



#22

Diisopropyl ether

Concen: 16.787 ug/l

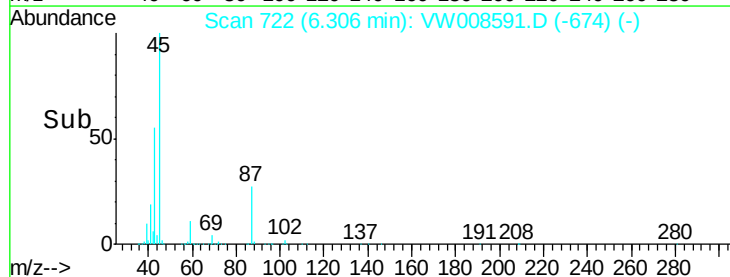
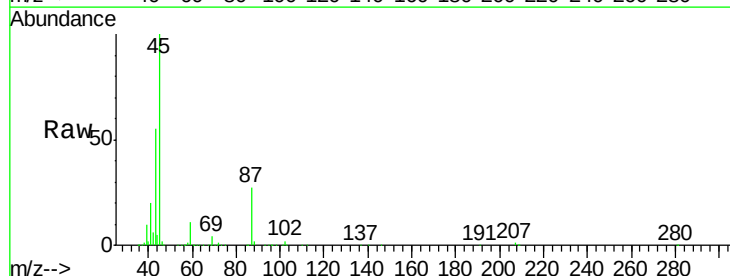
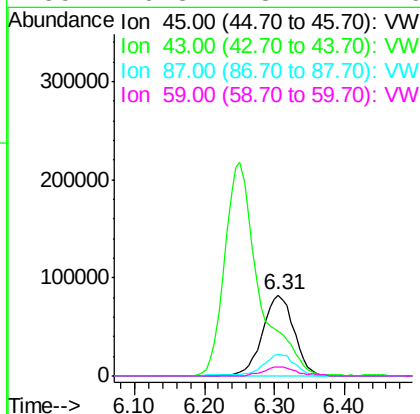
RT: 6.31 min Scan# 722

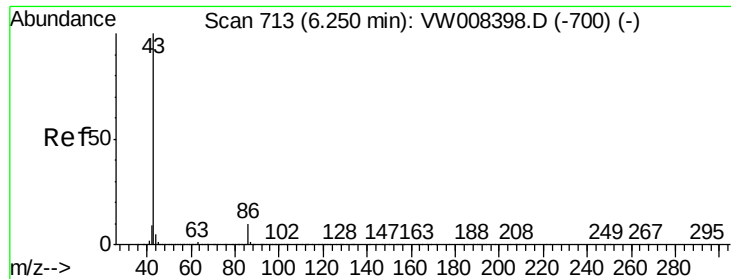
Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	45	Resp:	260059
Ion	Ratio	Lower	Upper
45	100		
43	54.6	42.6	63.8
87	26.4	20.3	30.5
59	10.3	8.4	12.6





#23

Vinyl Acetate

Concen: 80.718 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008591.D

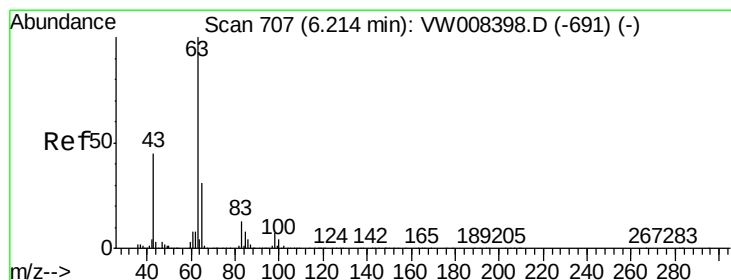
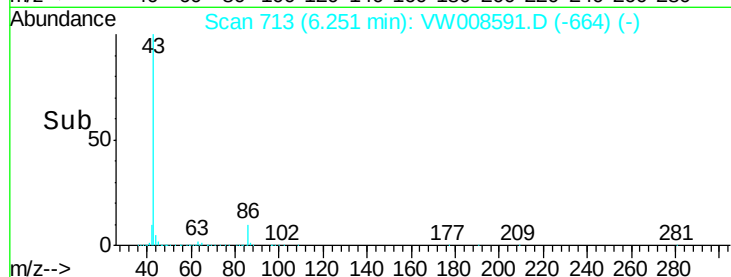
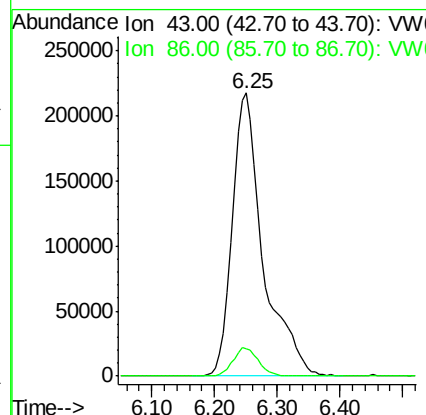
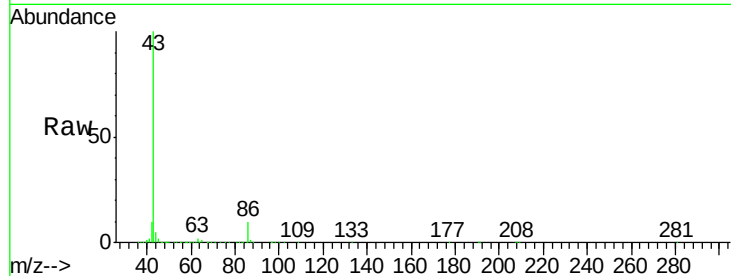
Acq: 11 Feb 2019 12:29

Tot Ion:	43	Resp:	738343
Ion Ratio	Lower	Upper	
43	100		
86	9.9	7.8	11.8

Instrument :
MSVOA_W
ClientSampled :
VW0211SBS01

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 17.129 ug/l

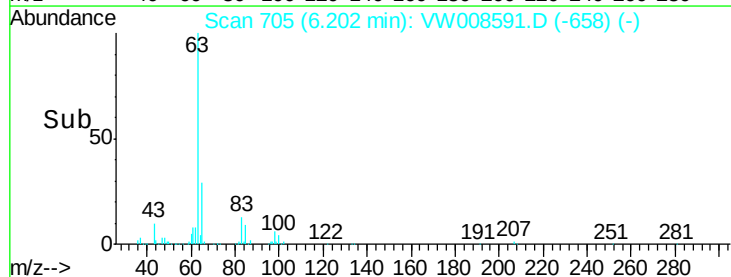
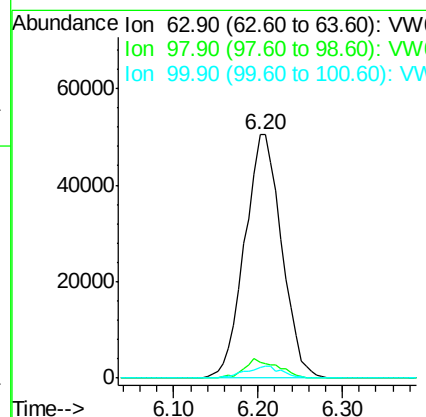
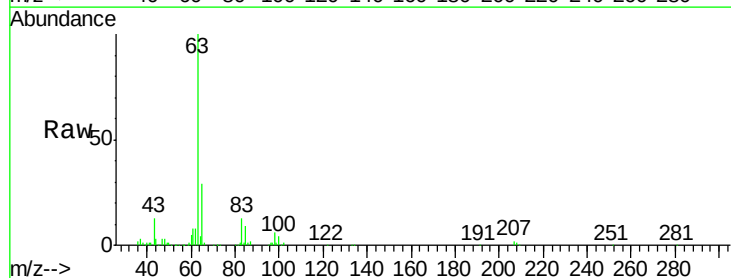
RT: 6.20 min Scan# 705

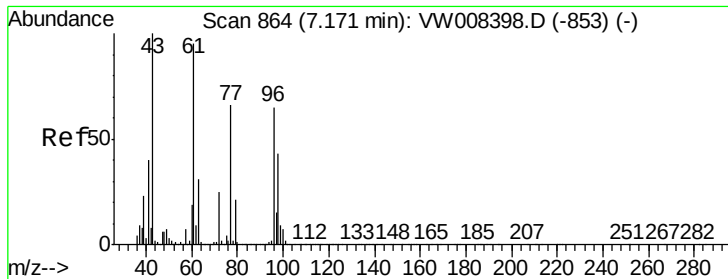
Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	63	Resp:	150196
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.5	10.5
100	4.5	2.1	6.2





#25

2-Butanone

Concen: 78.026 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 43 Resp: 112439

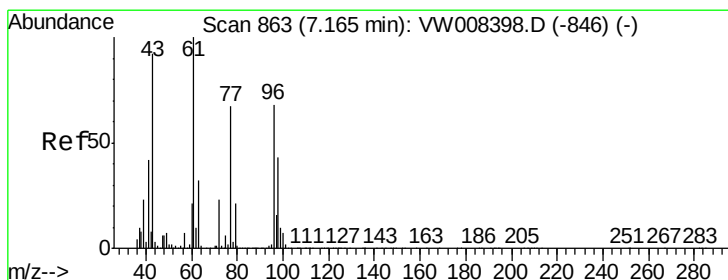
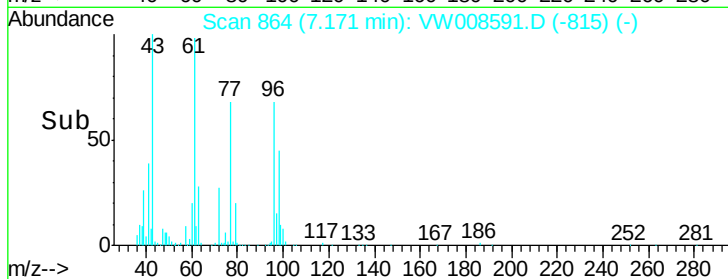
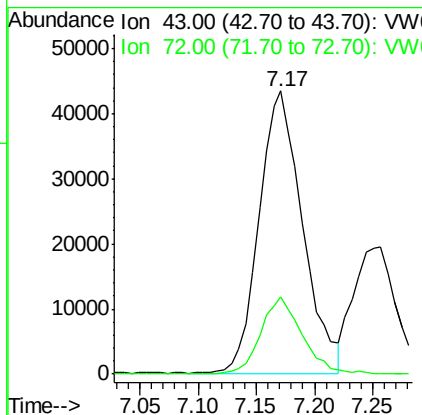
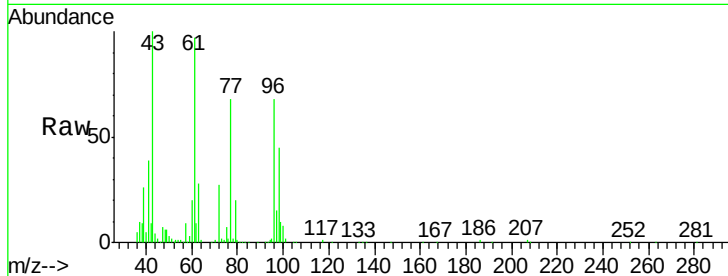
Ion Ratio Lower Upper

43 100

72 27.2 20.1 30.1

Manual Integrations
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2/12/2019 1:51:12 PM



#26

2,2-Dichloropropane

Concen: 17.947 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008591.D

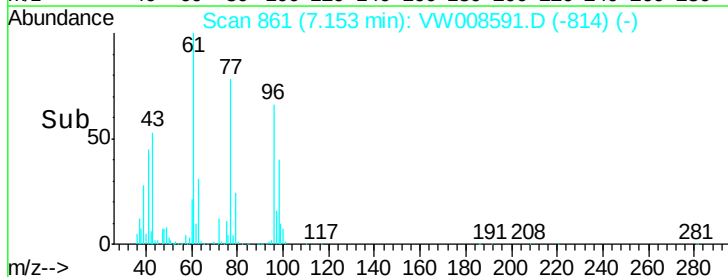
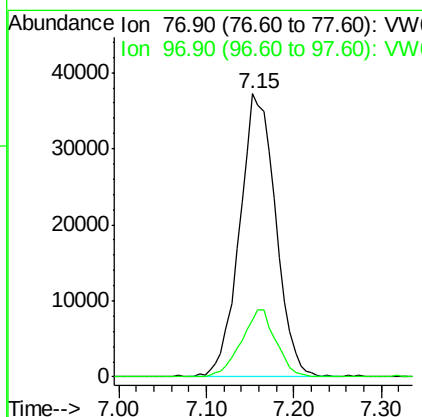
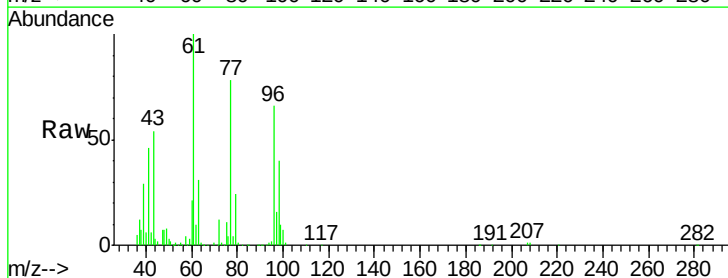
Acq: 11 Feb 2019 12:29

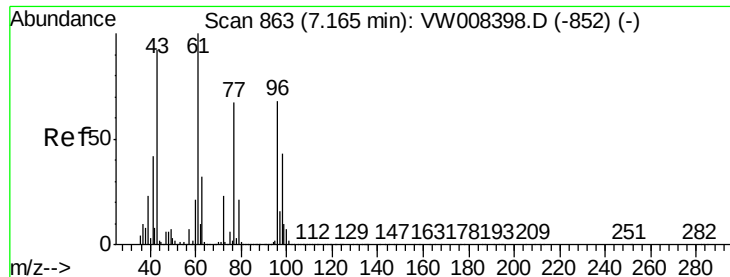
Tgt Ion: 77 Resp: 106375

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5





#27

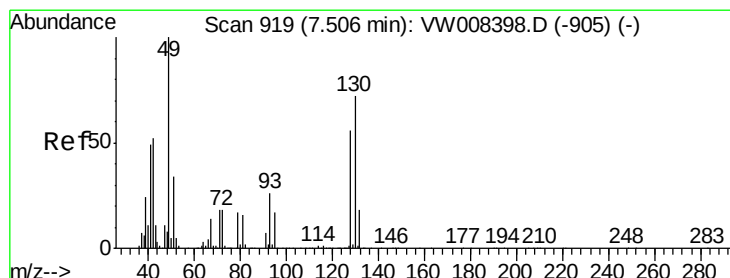
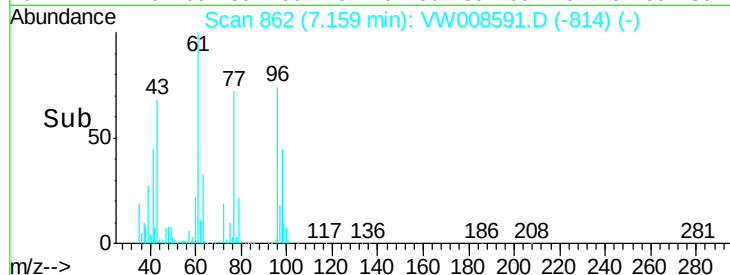
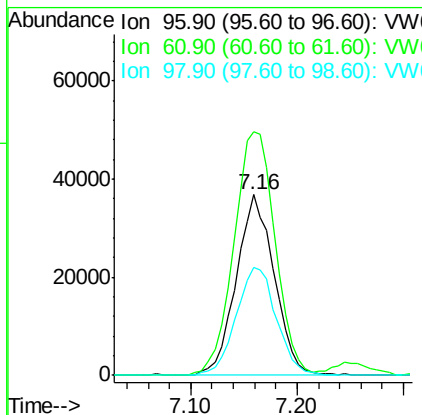
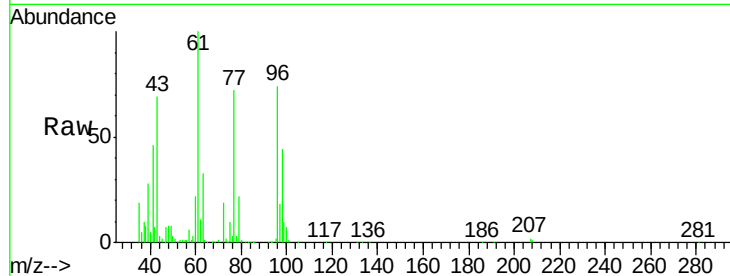
cis-1,2-Dichloroethene
 Concen: 17.514 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	292.8
98	62.9	0.0	129.2

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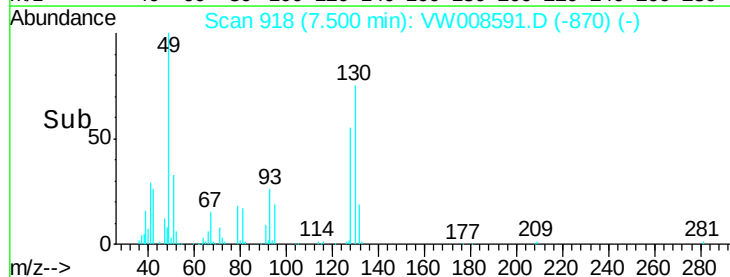
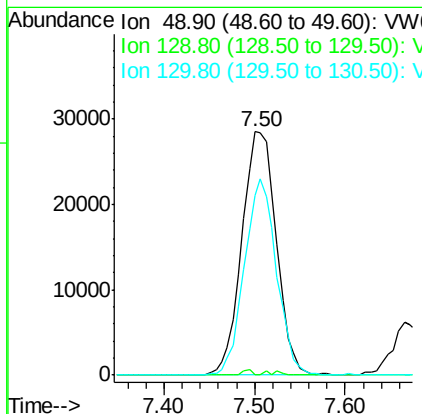
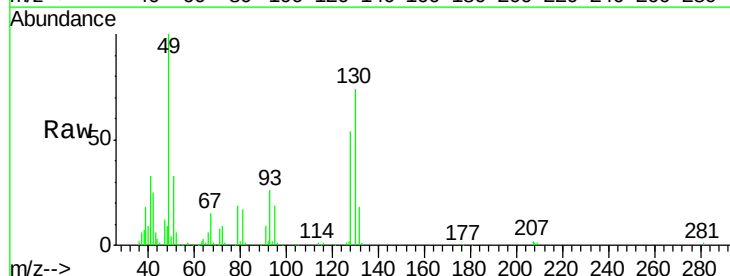
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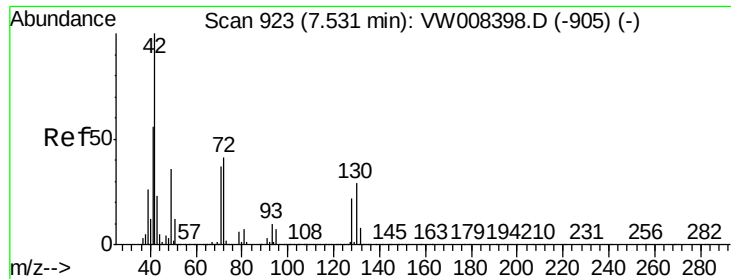


#28

Bromochloromethane
 Concen: 18.662 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.6
130	75.0	58.6	87.8





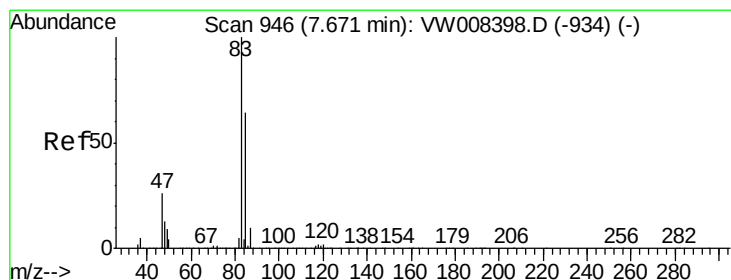
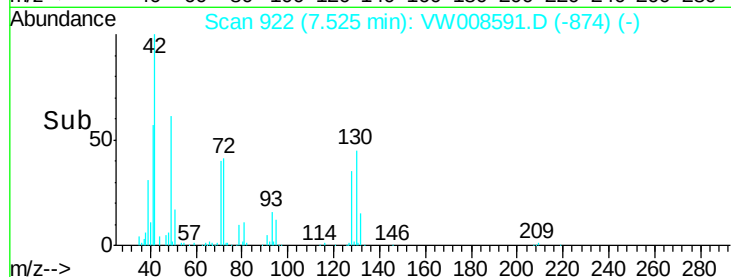
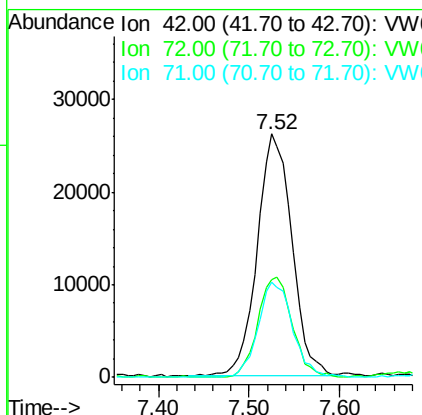
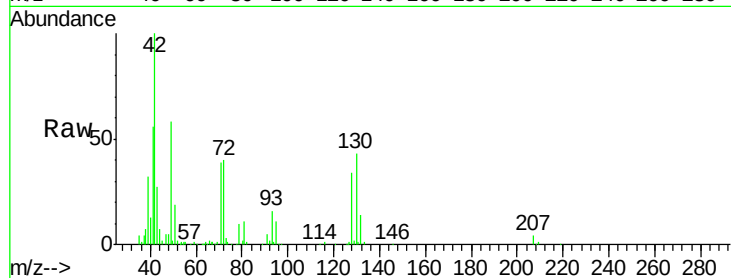
#29
Tetrahydrofuran
Concen: 76.237 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.9	47.9
71	39.2	29.9	44.9

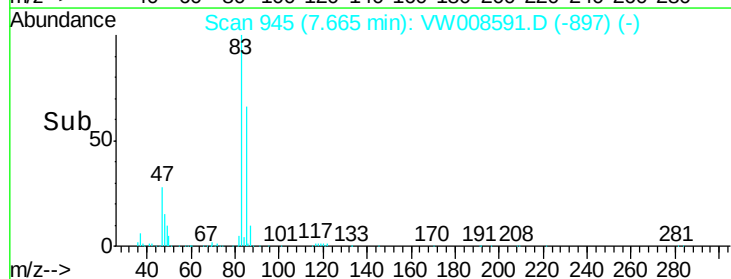
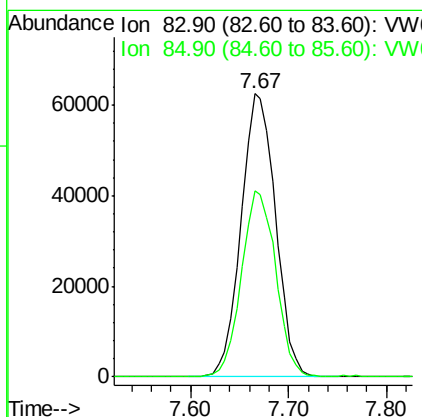
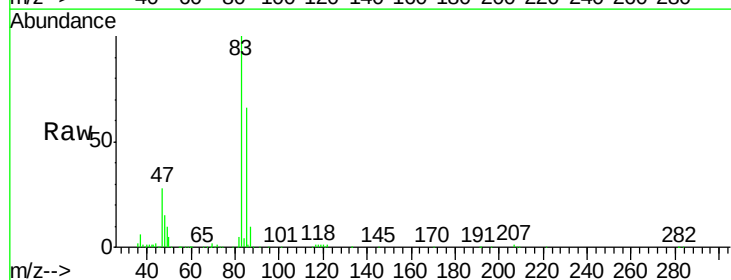
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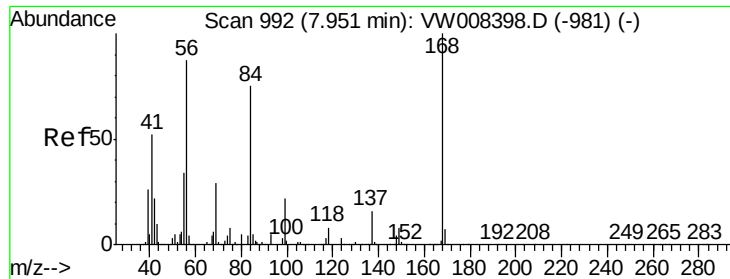
MMDadoda
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#30
Chloroform
Concen: 17.772 ug/l
RT: 7.67 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.9	76.3





#31

Cyclohexane

Concen: 16.583 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

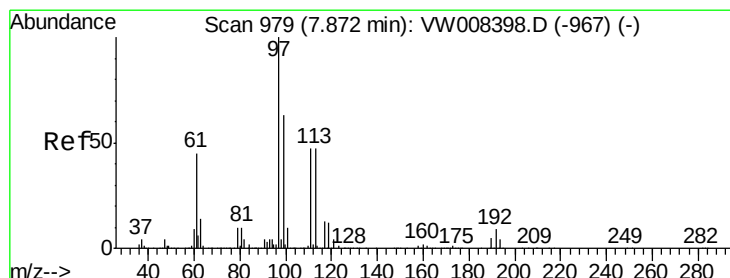
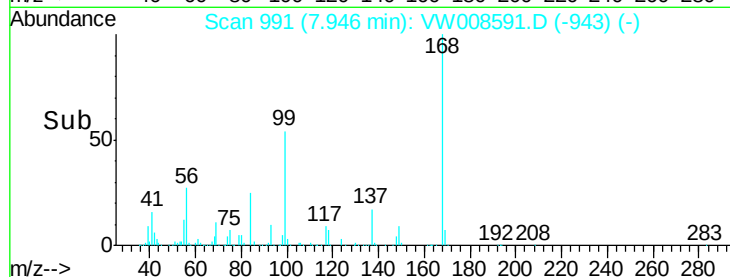
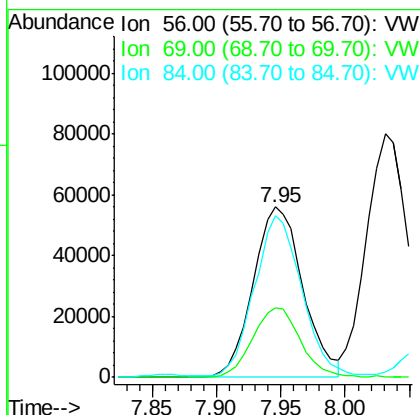
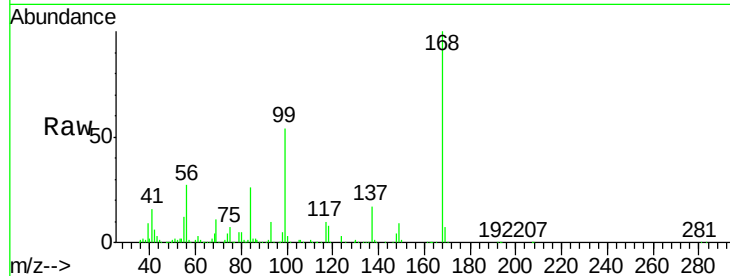
ClientSampled :

VW0211SBS01

Tot Ion:	56	Resp:	150358
Ion Ratio	Lower	Upper	
56	100		
69	41.2	26.4	39.6#
84	93.6	69.1	103.7

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#32

1,1,1-Trichloroethane

Concen: 18.086 ug/l

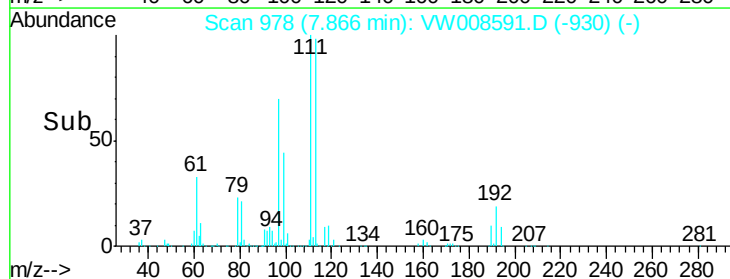
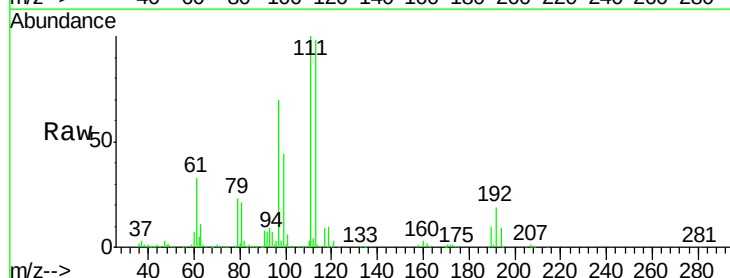
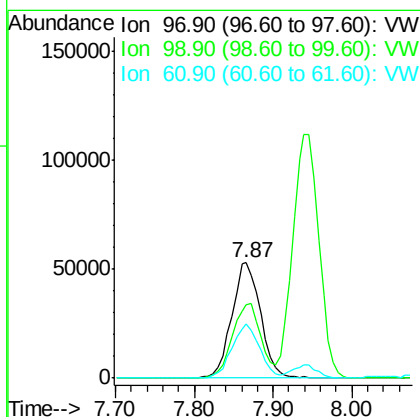
RT: 7.87 min Scan# 978

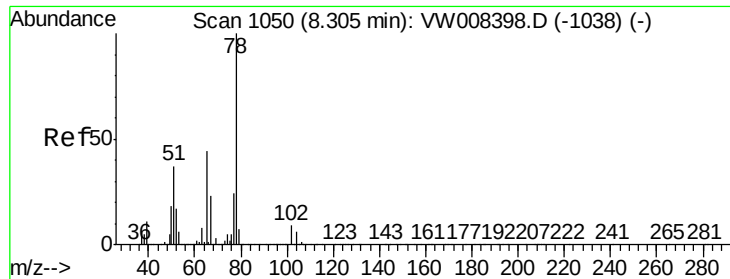
Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	97	Resp:	134729
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.3	76.9
61	45.0	36.2	54.4





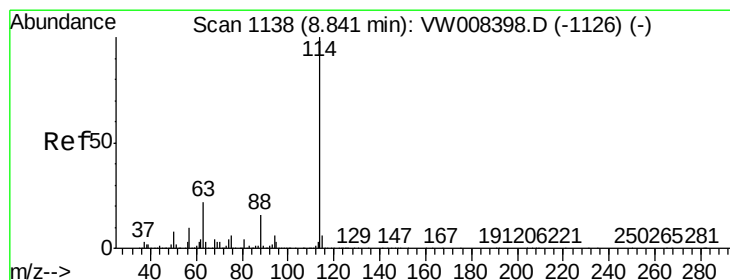
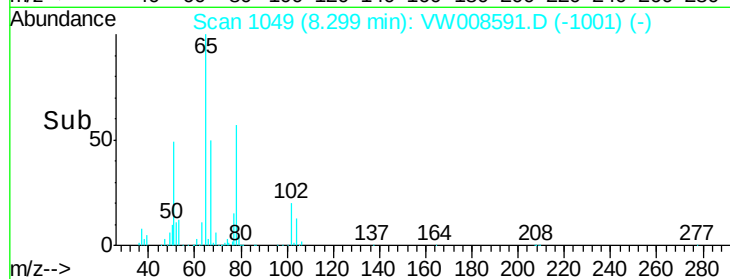
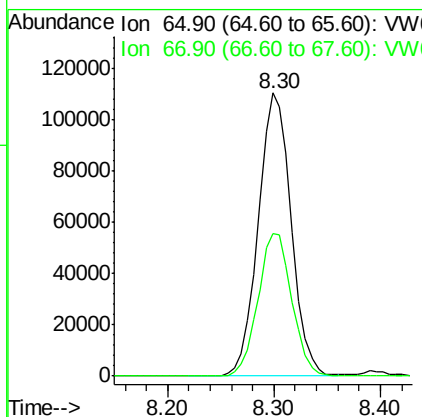
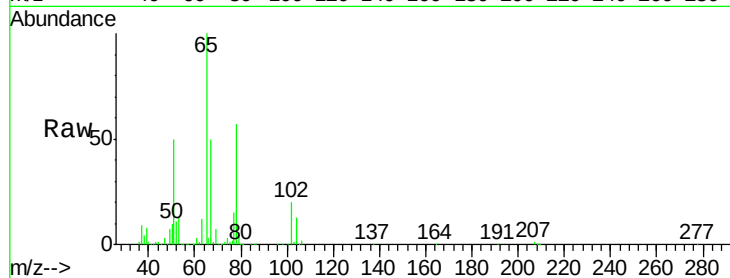
#33
 1,2-Dichloroethane-d4
 Concen: 51.628 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.8	0.0	104.0	

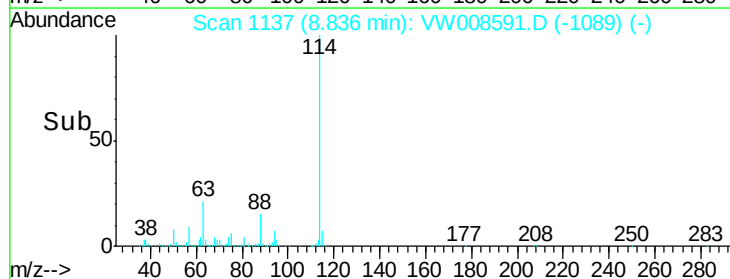
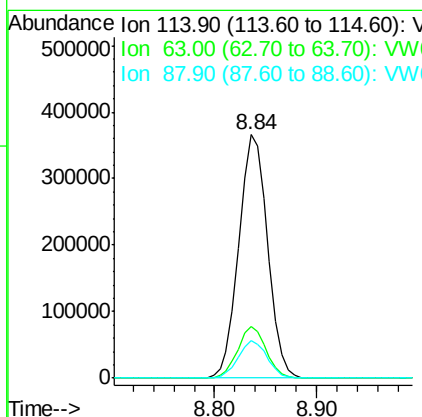
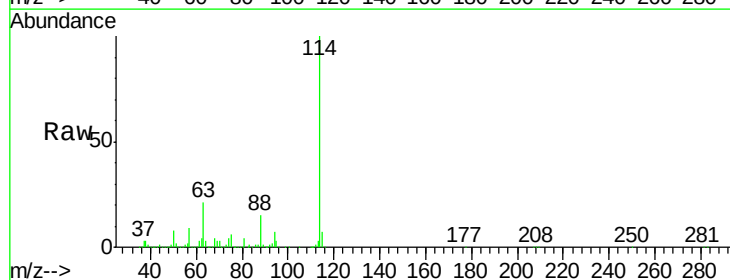
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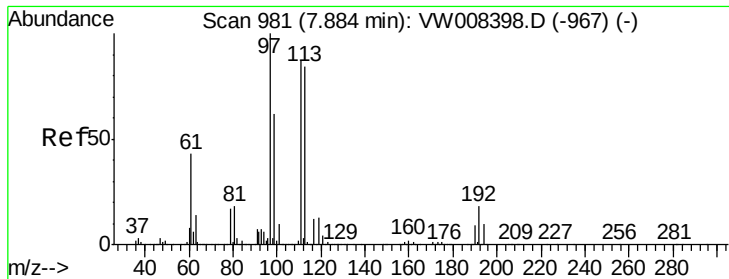
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	43.6	
88	15.4	0.0	31.8	





#35

Dibromofluoromethane

Concen: 55.506 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

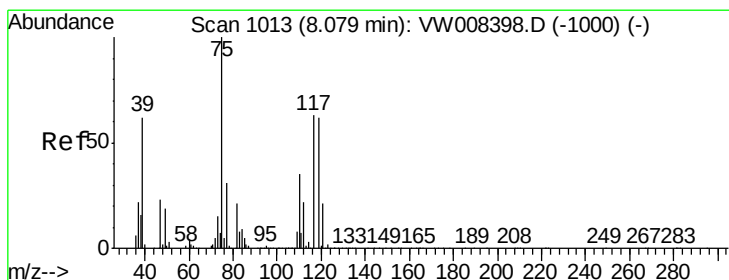
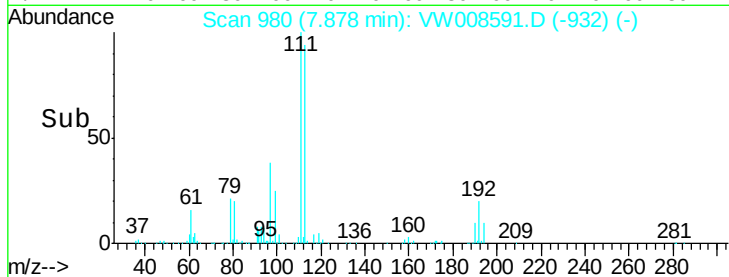
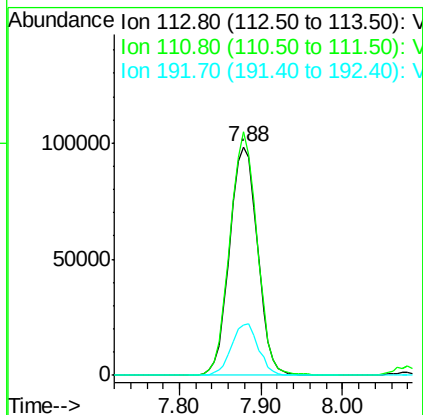
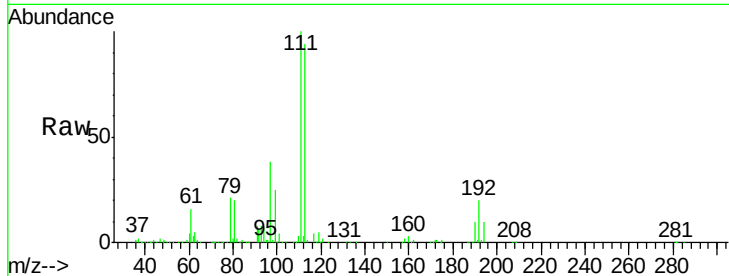
ClientSampleId :

VW0211SBS01

Tot Ion:	113	Resp:	232244
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.0	121.4
192	21.8	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 18.852 ug/l

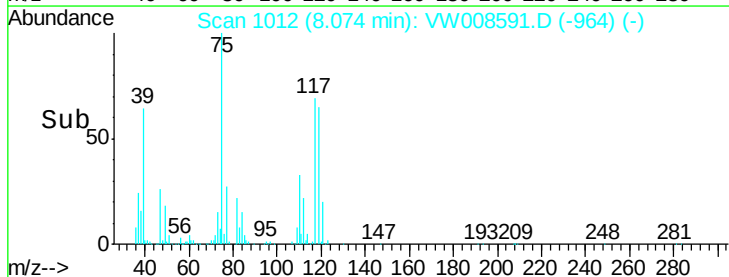
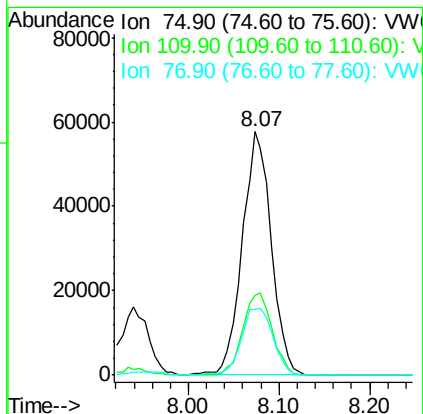
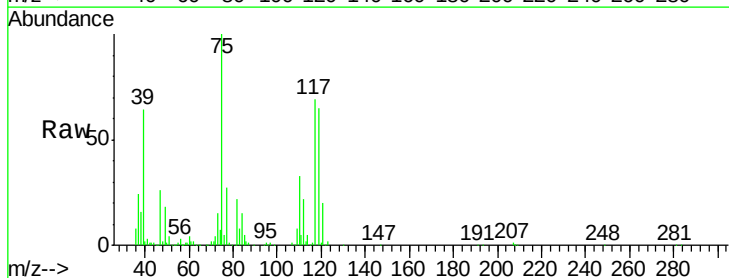
RT: 8.07 min Scan# 1012

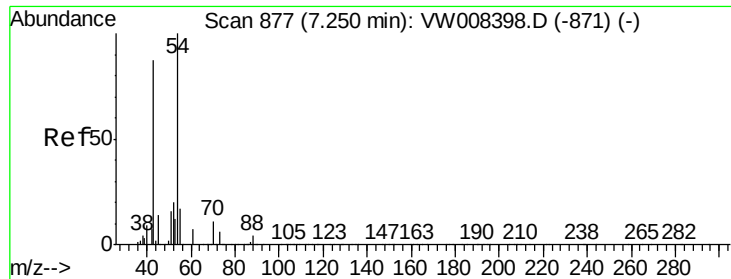
Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	75	Resp:	127426
Ion Ratio	Lower	Upper	
75	100		
110	34.4	17.3	52.0
77	30.1	24.7	37.1





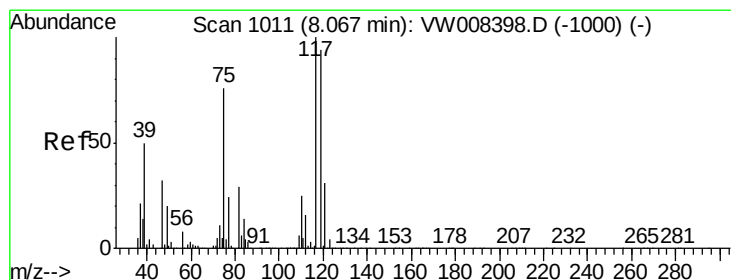
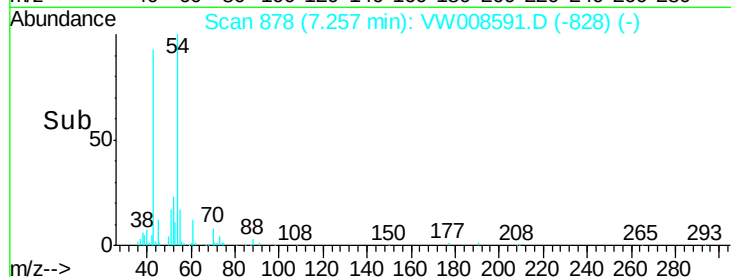
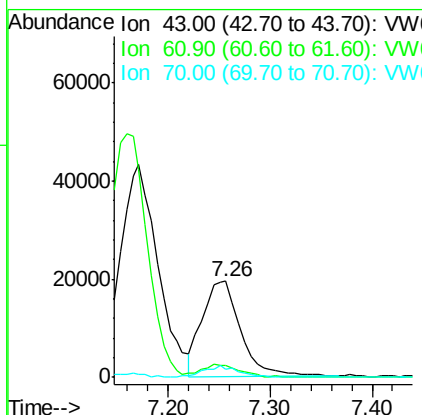
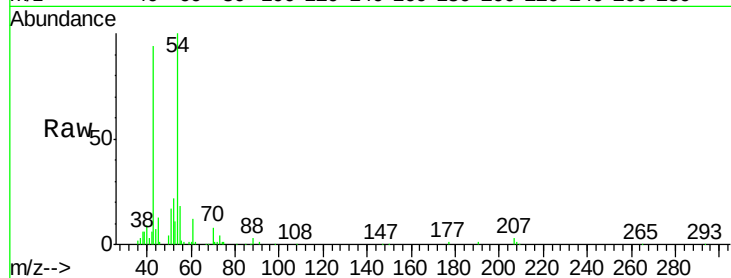
#37
Ethyl Acetate
Concen: 16.942 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	10.1	15.1
70	11.1	7.8	11.6

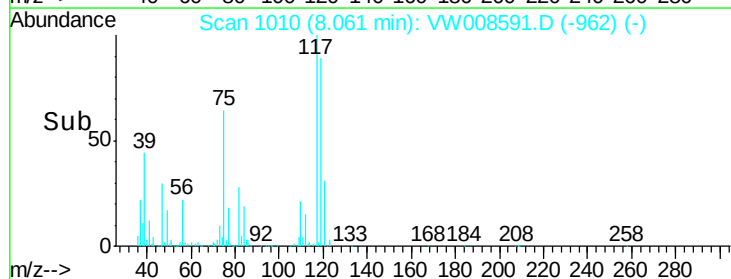
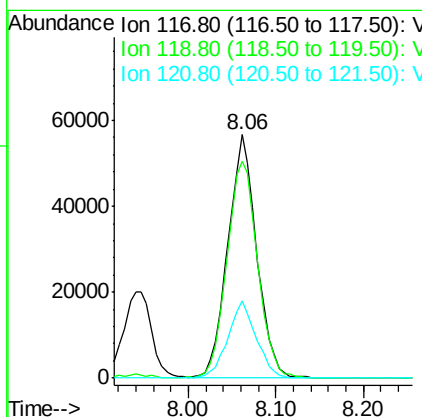
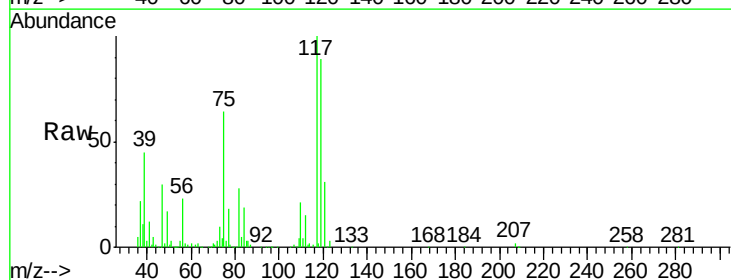
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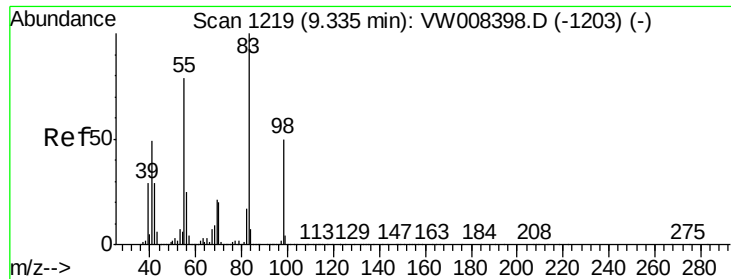
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#38
Carbon Tetrachloride
Concen: 19.124 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.0	75.0	112.4
121	31.5	24.9	37.3





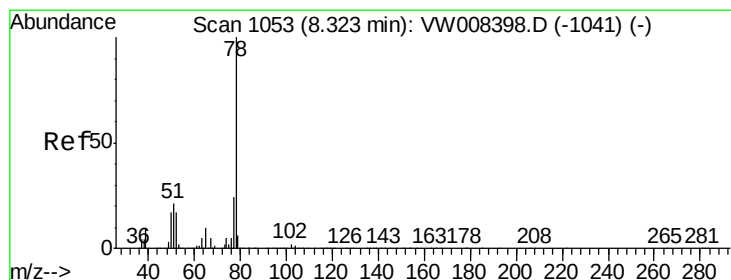
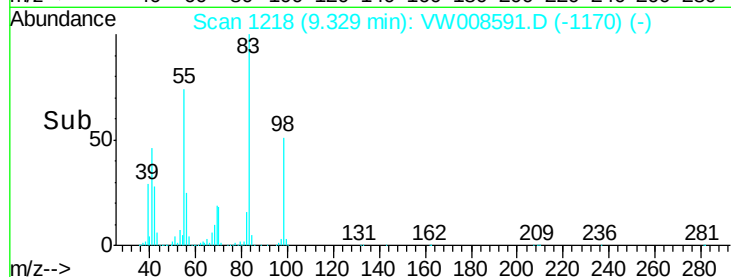
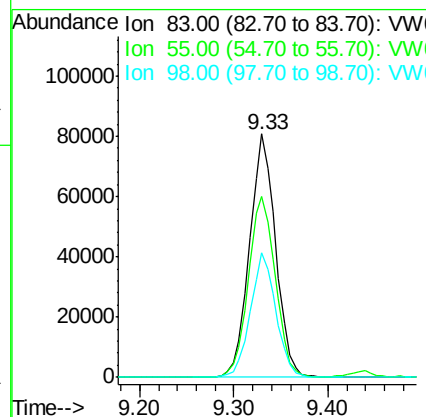
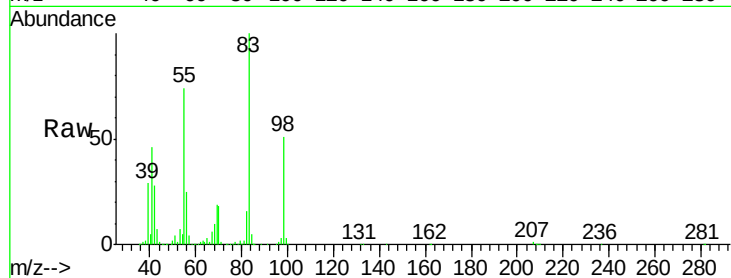
#39
Methylvlcyclohexane
Concen: 17.687 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	63.3	94.9
98	50.9	39.7	59.5

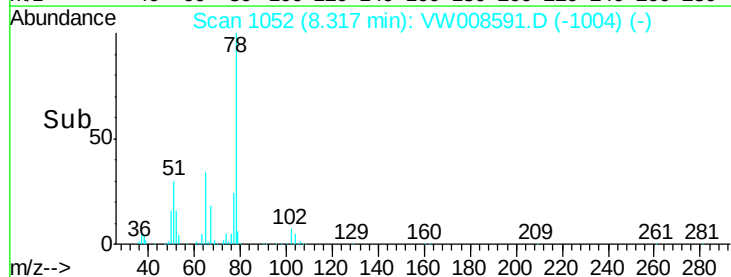
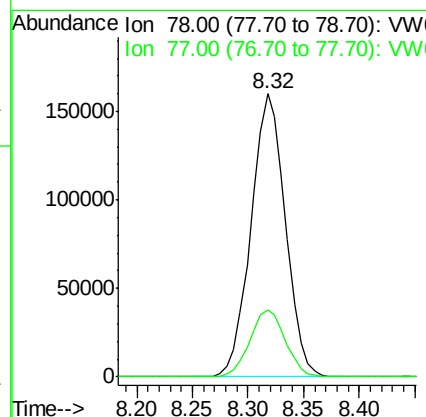
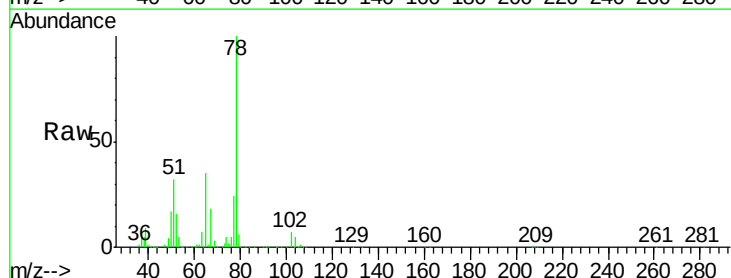
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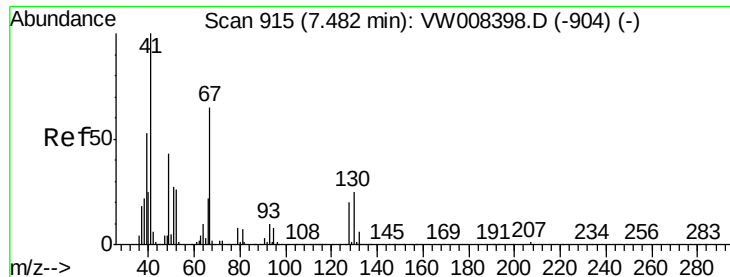
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#40
Benzene
Concen: 18.298 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





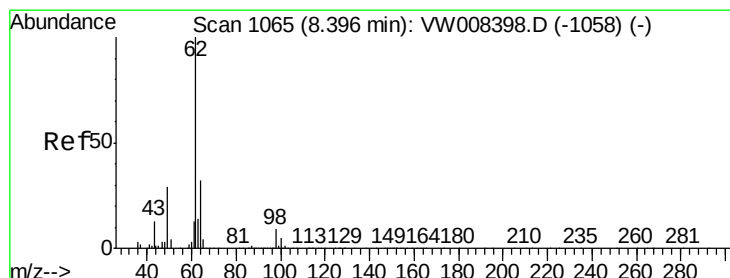
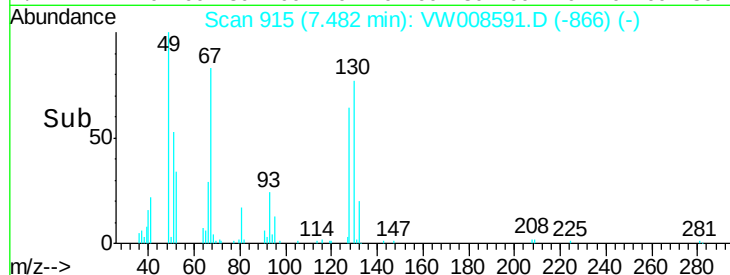
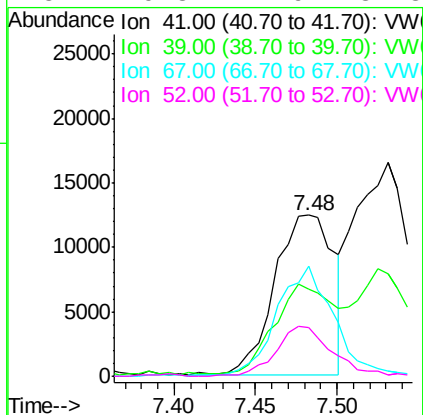
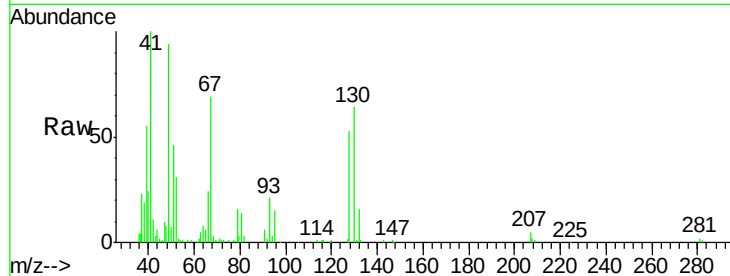
#41
Methacrylonitrile
Concen: 17.701 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampled :
VW0211SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		31344		
39	54.5	43.4	65.0		
67	66.8	54.2	81.2		
52	29.8	22.9	34.3		

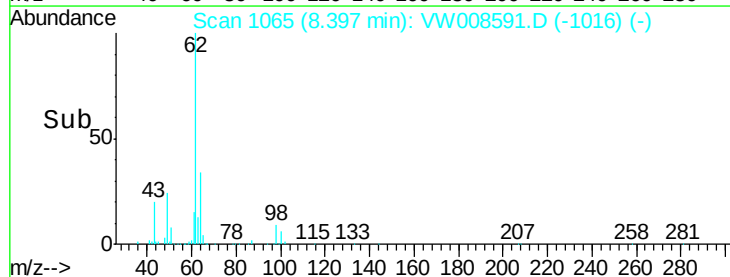
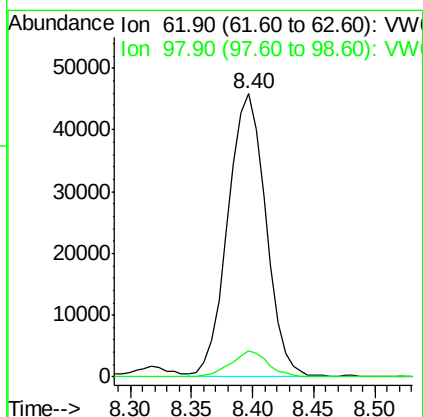
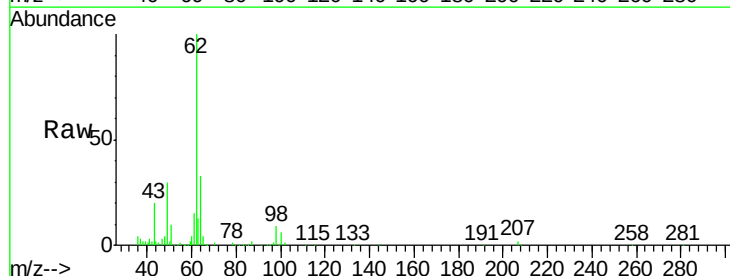
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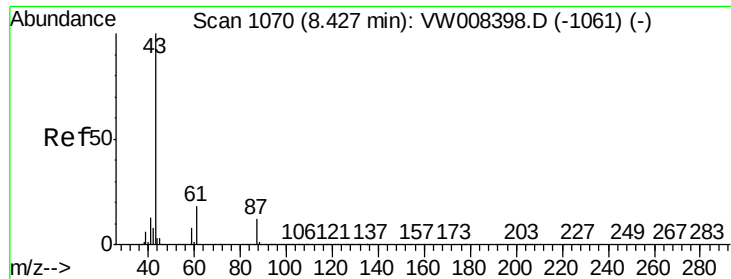
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#42
1,2-Dichloroethane
Concen: 18.166 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		98741		
98	9.0	0.0	18.6		





#43

Isopropyl Acetate

Concen: 16.822 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

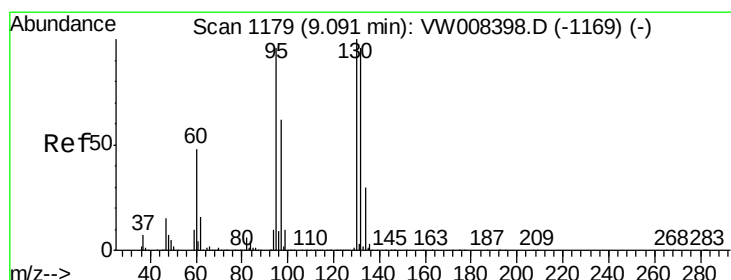
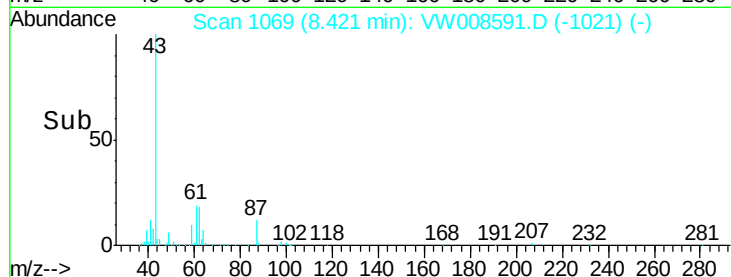
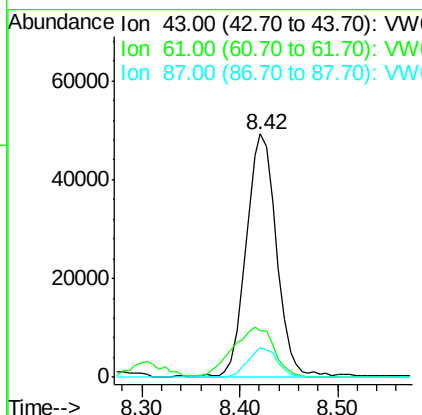
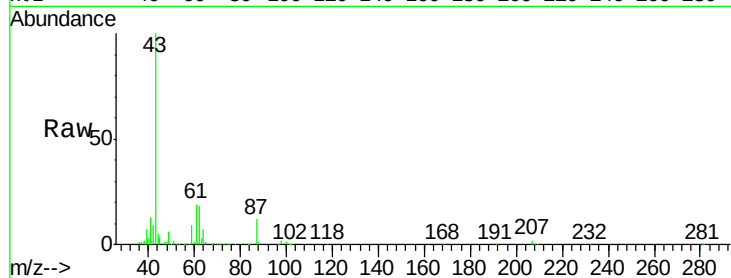
ClientSampleId :

VW0211SBS01

Tot Ion:	43	Resp:	104512
Ion Ratio		Lower	Upper
43	100		
61	28.8	22.0	33.0
87	12.1	9.3	13.9

Manual Integrations
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2/12/2019 1:51:12 PM



#44

Trichloroethene

Concen: 18.818 ug/l

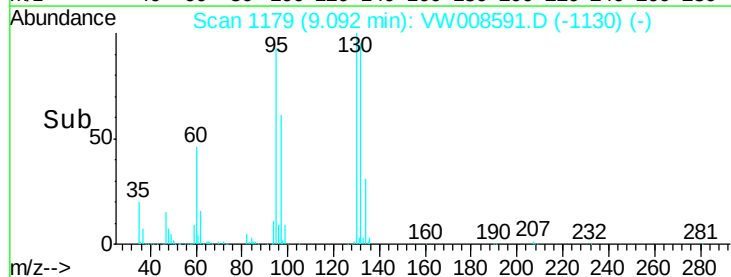
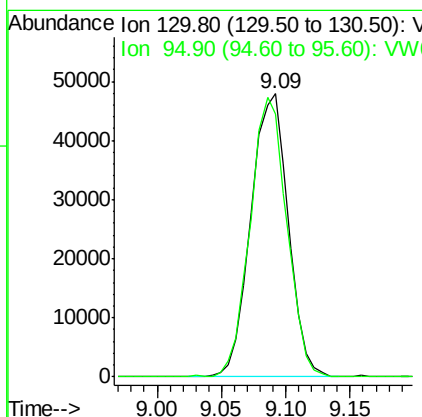
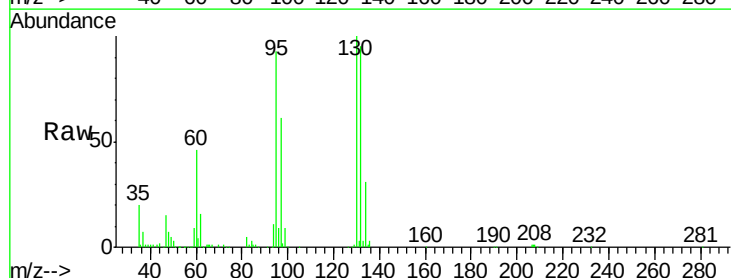
RT: 9.09 min Scan# 1179

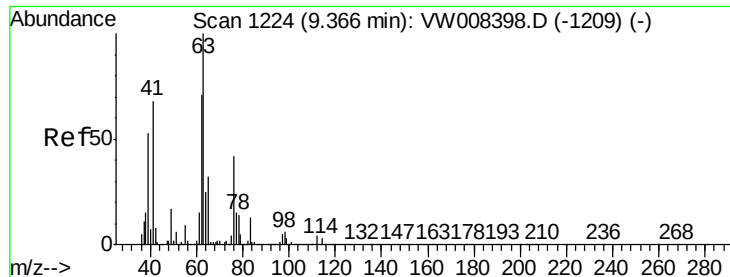
Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	130	Resp:	95978
Ion Ratio		Lower	Upper
130	100		
95	92.7	0.0	191.6





#45

1,2-Dichloropropane

Concen: 17.836 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 63 Resp: 83412

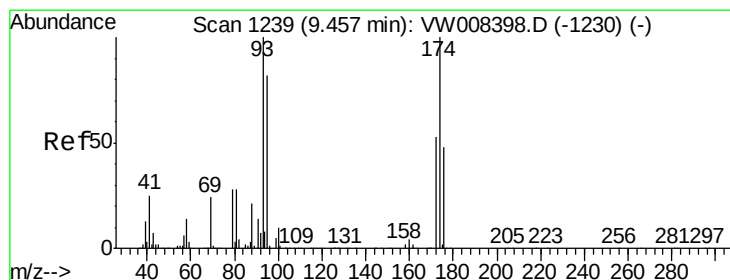
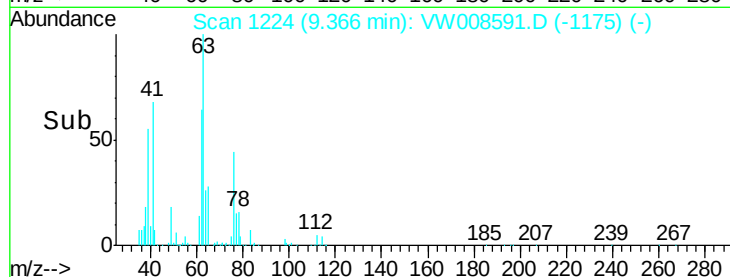
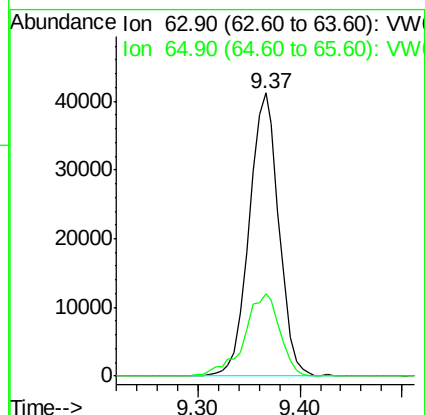
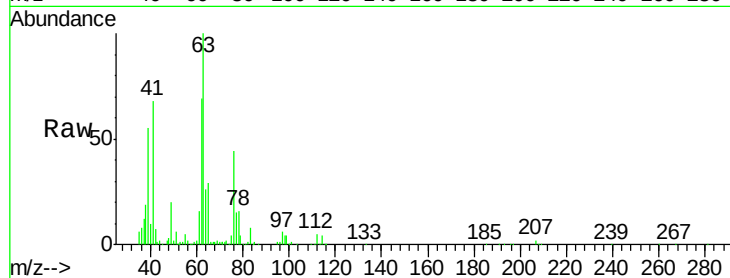
Ion Ratio Lower Upper

63 100

65 29.0 25.2 37.8

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#46

Dibromomethane

Concen: 18.038 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

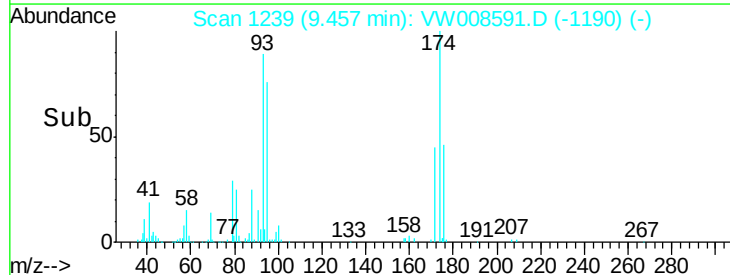
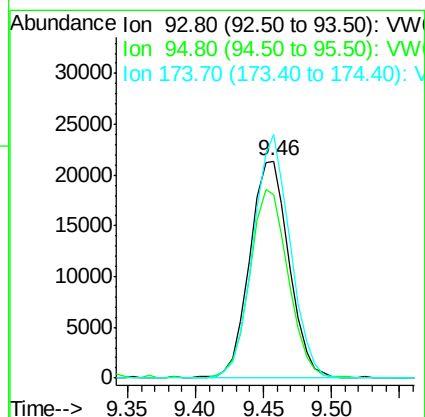
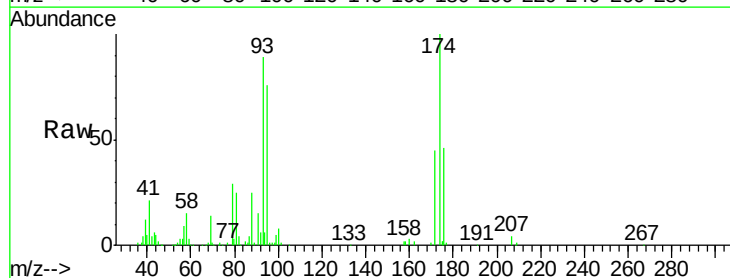
Tgt Ion: 93 Resp: 43389

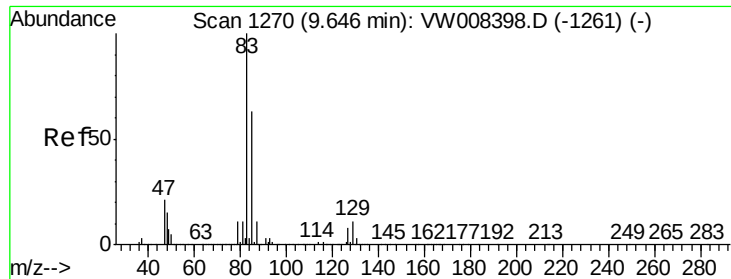
Ion Ratio Lower Upper

93 100

95 85.2 65.9 98.9

174 105.5 81.0 121.6





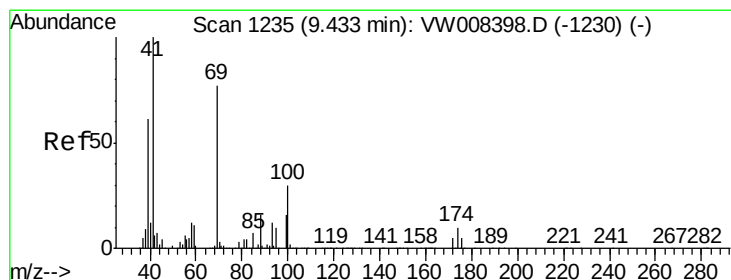
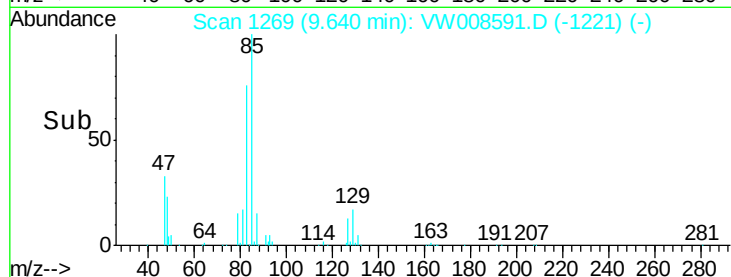
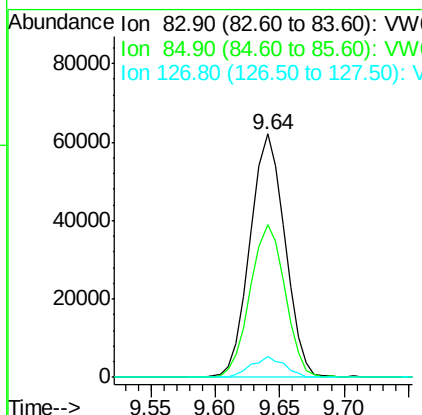
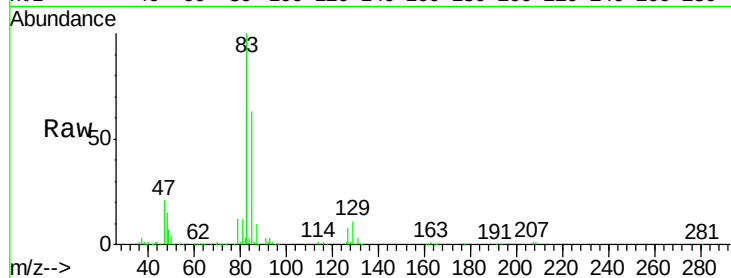
#47
Bromodichloromethane
Concen: 18.316 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	116533		
85	62.7		50.8	76.2
127	8.4		6.8	10.2

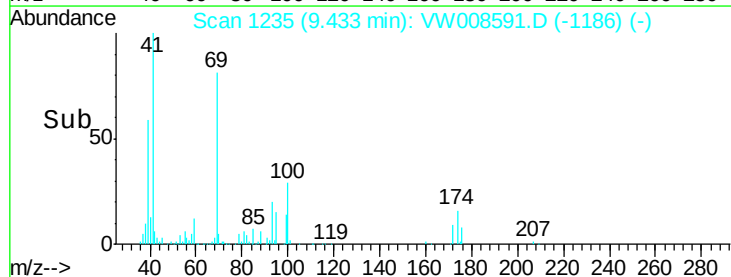
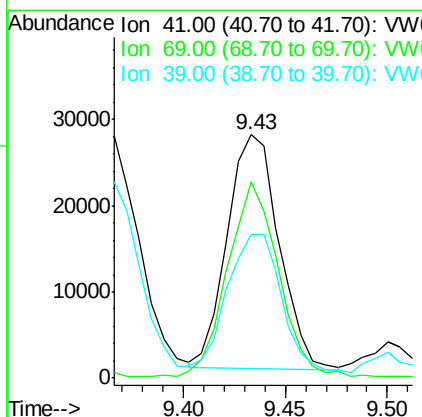
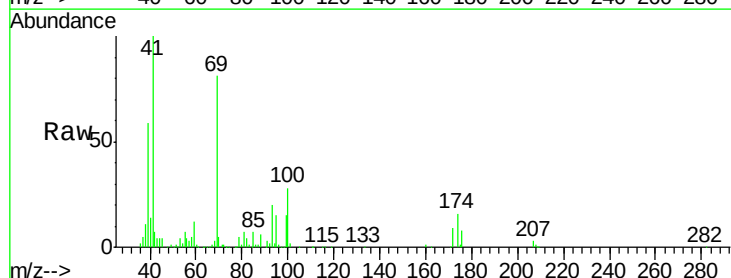
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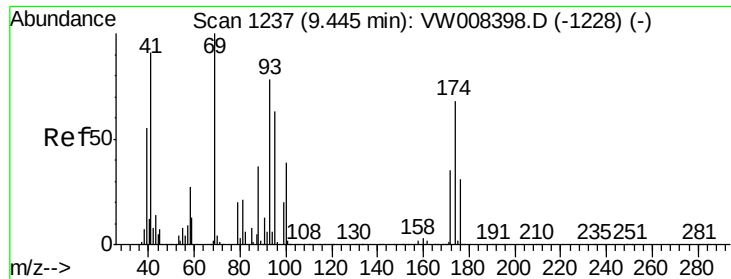
MMDadoda
2/12/2019 1:51:12 PM



#48
Methyl methacrylate
Concen: 15.712 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	47732		
69	83.8		64.8	97.2
39	62.0		49.1	73.7





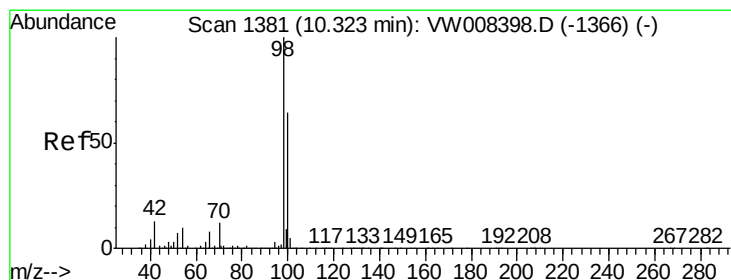
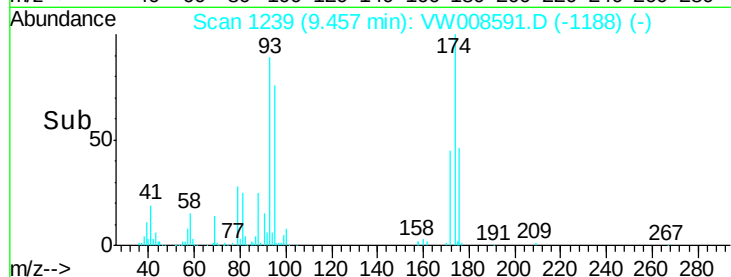
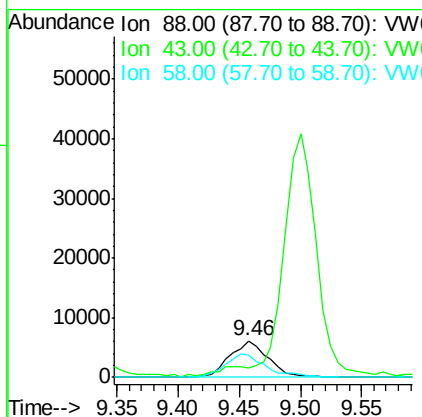
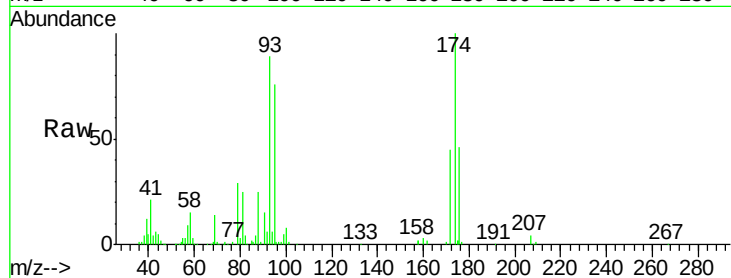
#49
1,4-Dioxane
Concen: 323.676 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	88	Resp	13160
Ion Ratio	100	Lower	Upper
88	100		
43	24.7	29.0	43.4#
58	70.5	56.4	84.6

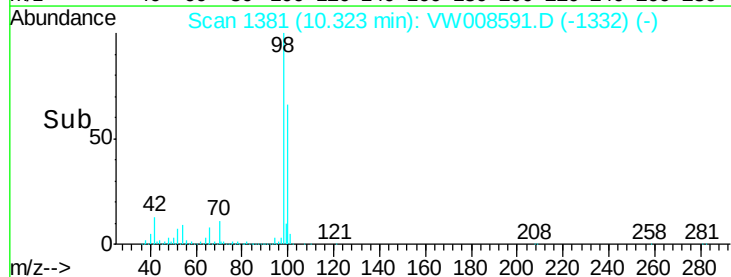
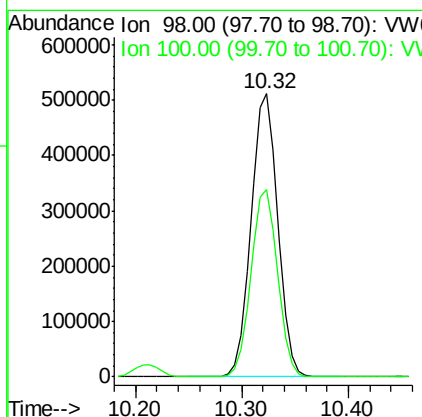
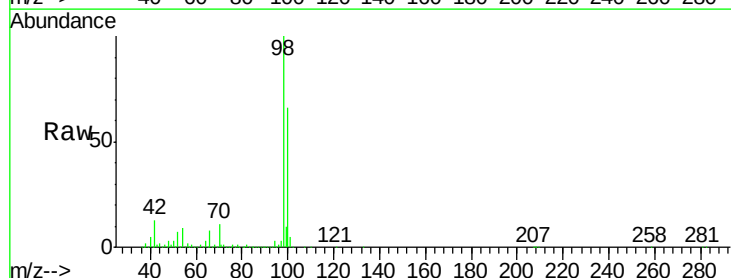
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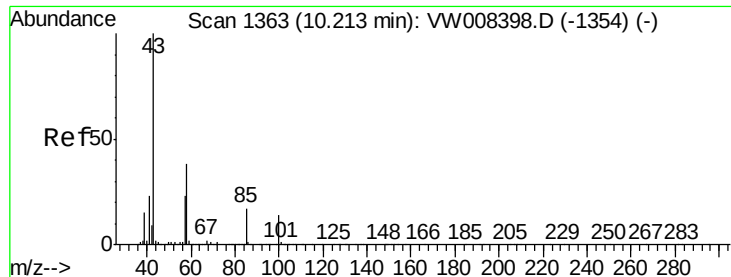
MMDadoda
2/12/2019 1:51:12 PM



#50
Toluene-d8
Concen: 53.690 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	98	Resp	900844
Ion Ratio	100	Lower	Upper
98	100		
100	65.9	52.6	78.8





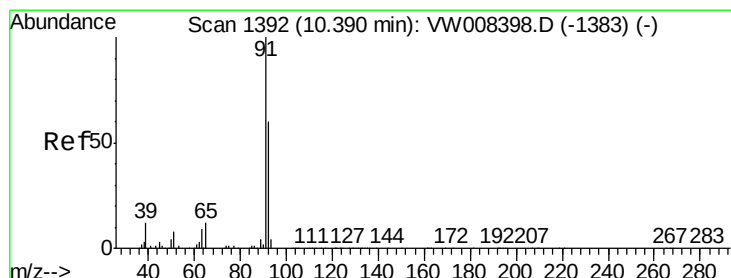
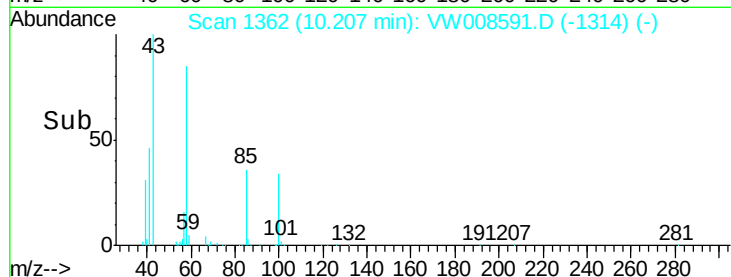
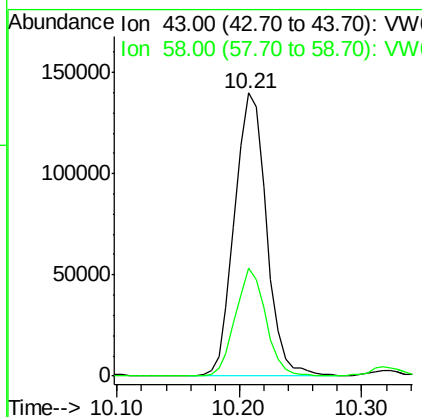
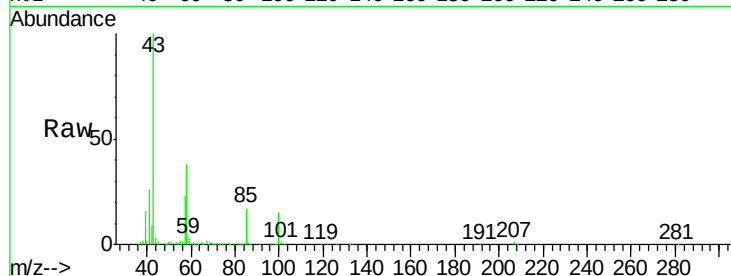
#51
4-Methyl-2-Pentanone
Concen: 82.165 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.7	44.5

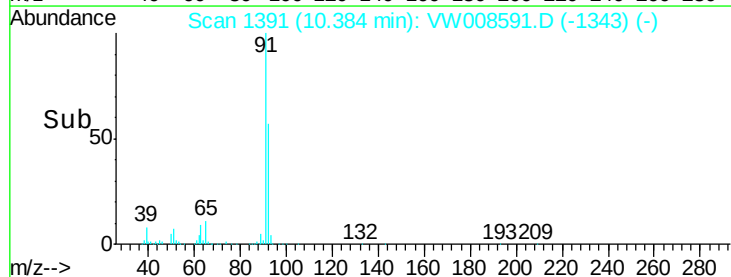
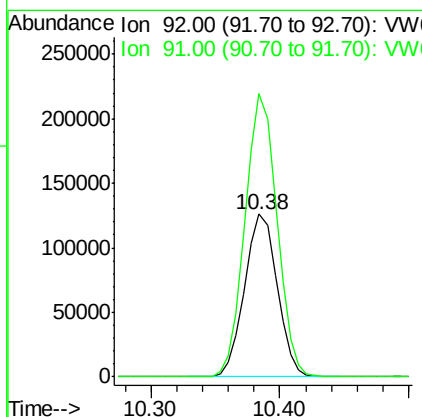
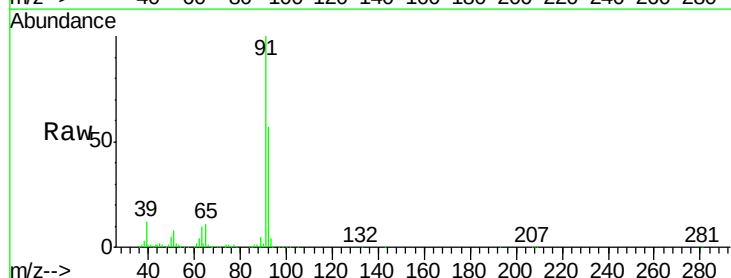
Manual Integrations
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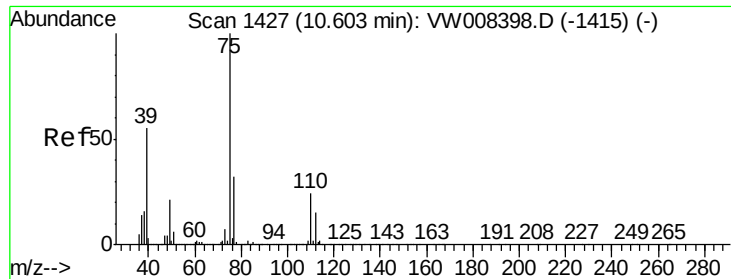
MMDadoda
2/12/2019 1:51:12 PM



#52
Toluene
Concen: 17.861 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 17.136 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 75 Resp: 116008

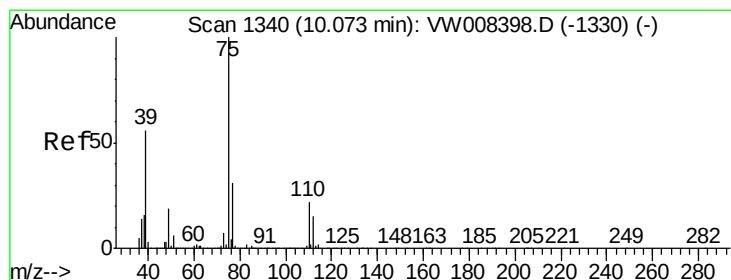
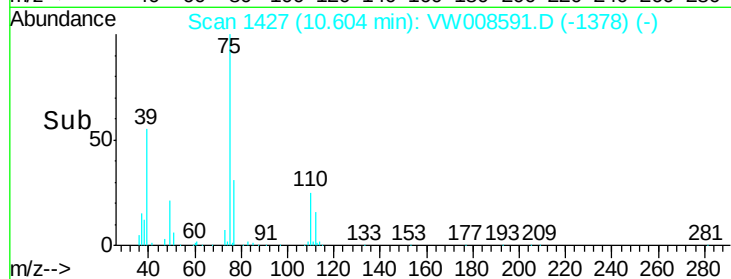
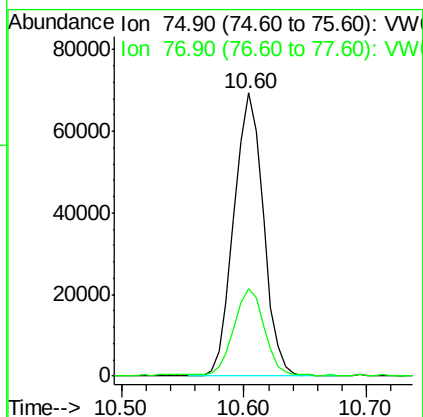
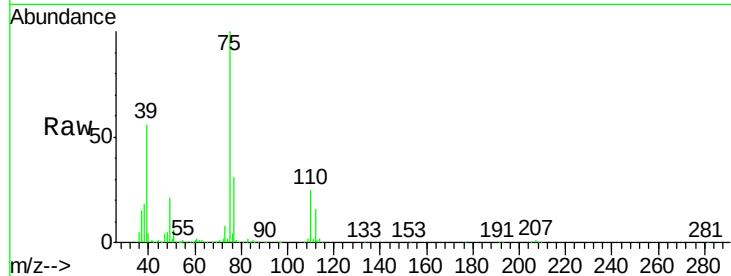
Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
2/12/2019 1:51:12 PM



#54

cis-1,3-Dichloropropene

Concen: 17.301 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

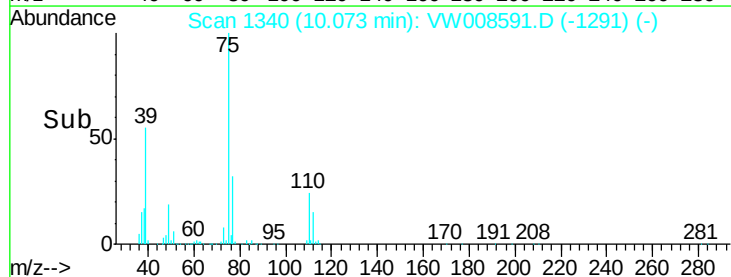
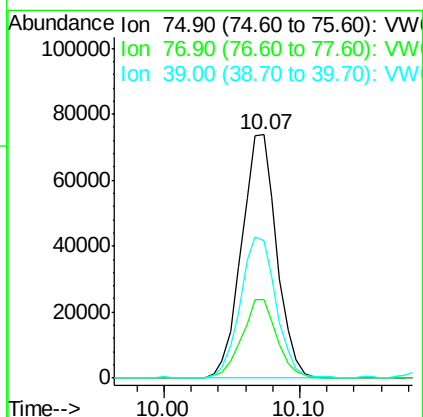
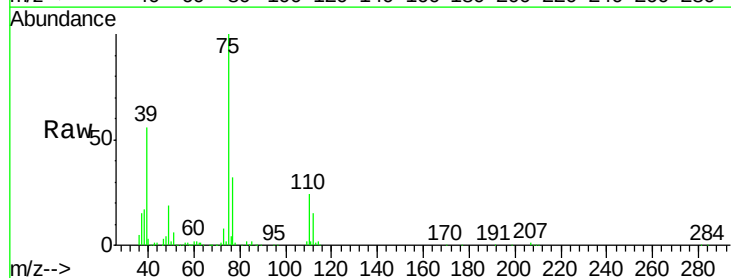
Tgt Ion: 75 Resp: 132921

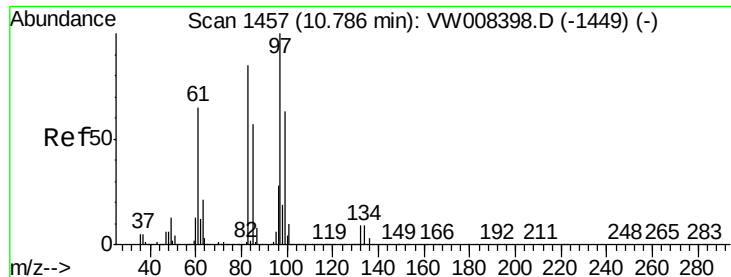
Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4

39 56.3 44.9 67.3





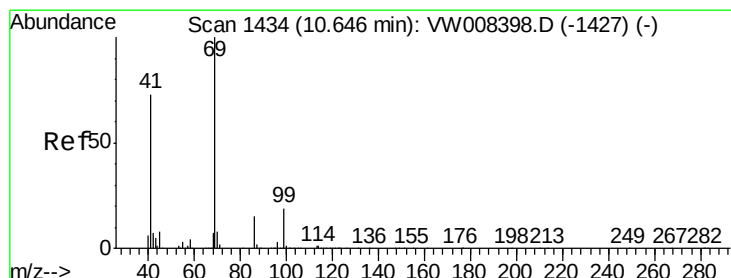
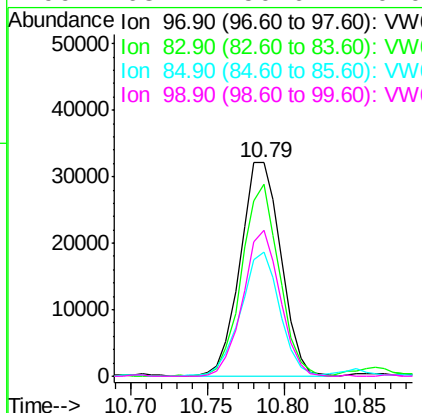
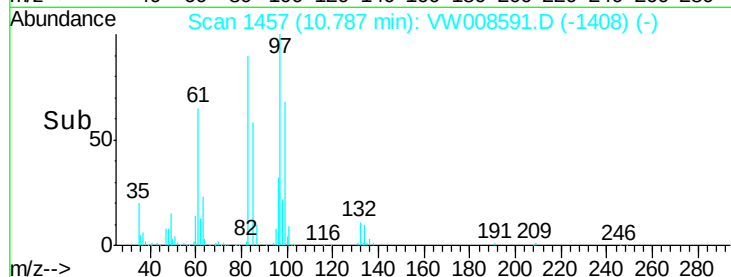
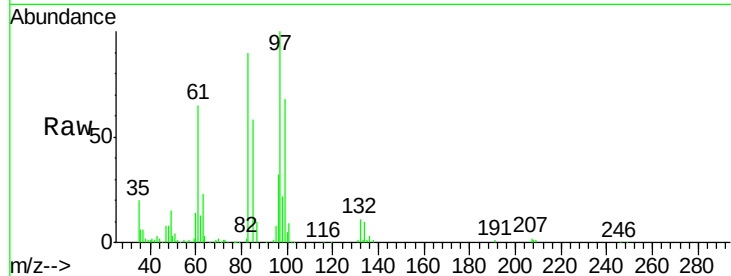
#55
 1,1,2-Trichloroethane
 Concen: 17.854 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59568		
83	90.0	68.4	102.6		
85	57.5	45.3	67.9		
99	68.2	50.6	76.0		

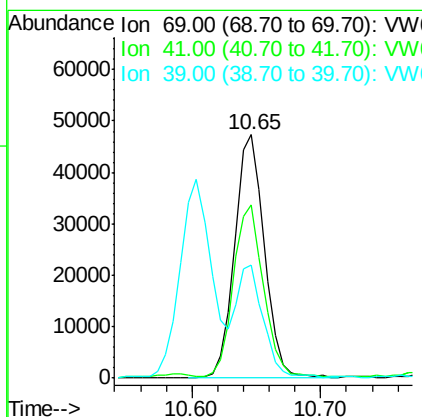
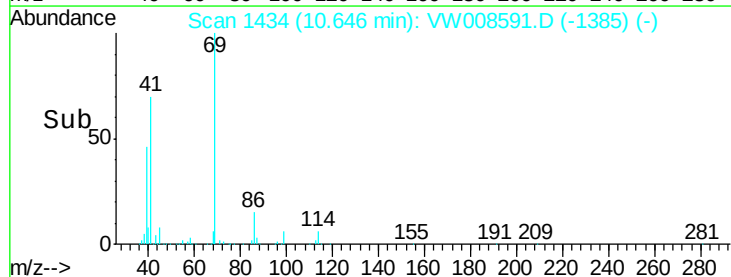
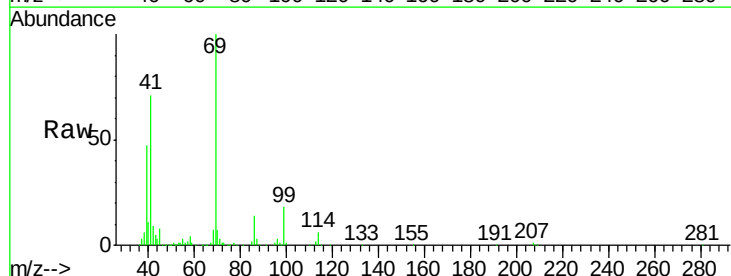
Manual Integrations
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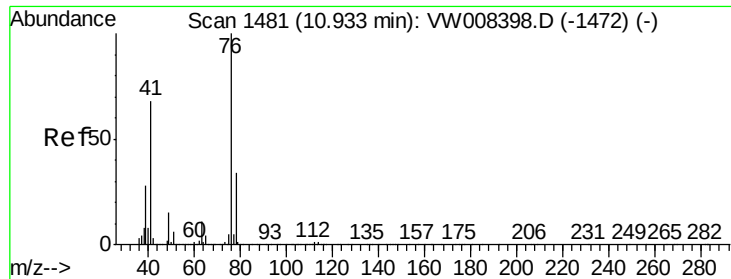
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#56
 Ethyl methacrylate
 Concen: 16.310 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		76250		
41	71.9	58.7	88.1		
39	41.4	32.6	48.8		





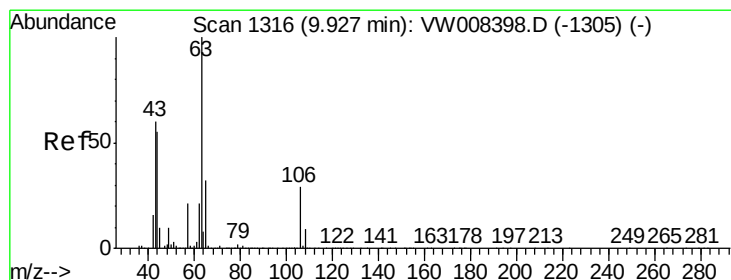
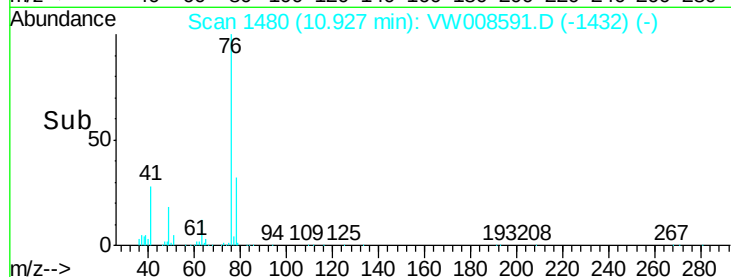
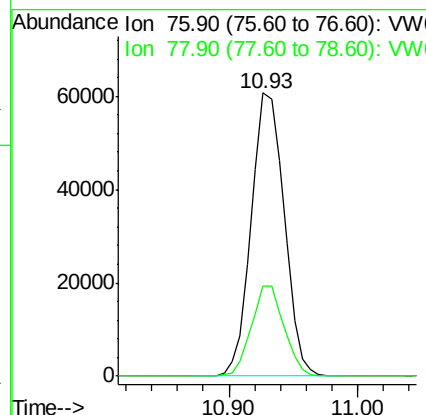
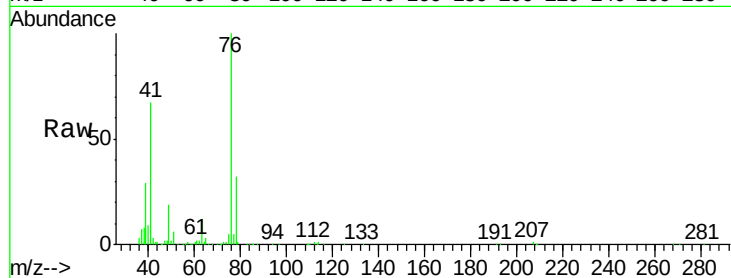
#57
 1,3-Dichloropropane
 Concen: 17.953 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.8

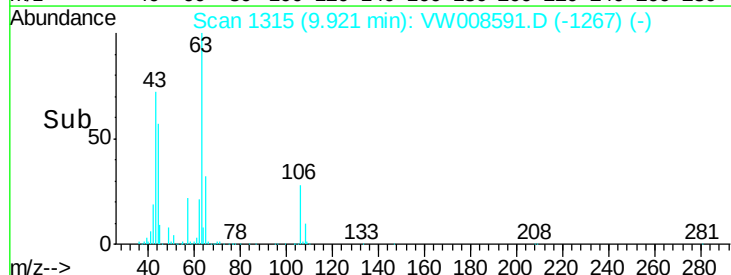
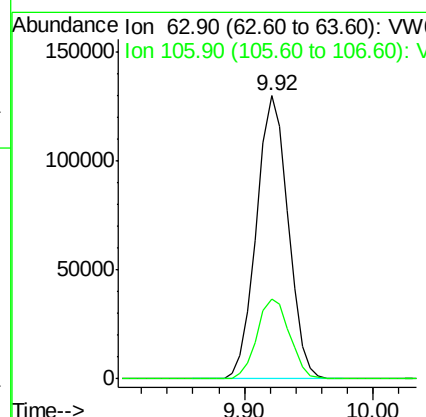
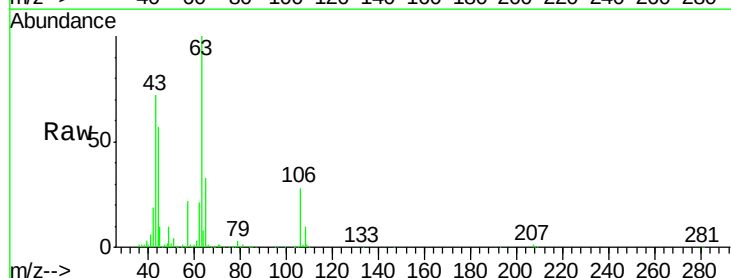
Manual Integrations
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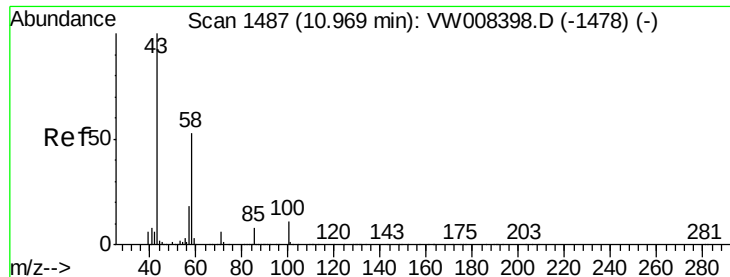
MMDadoda
 2/12/2019 1:51:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.364 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.4	33.6





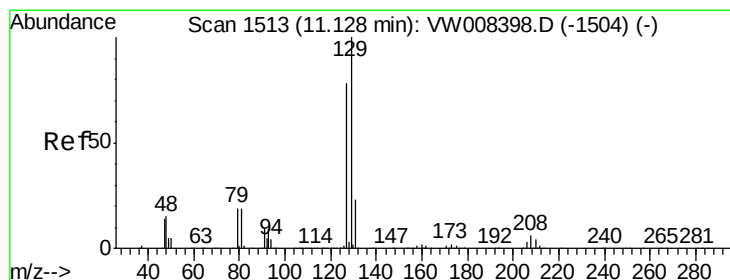
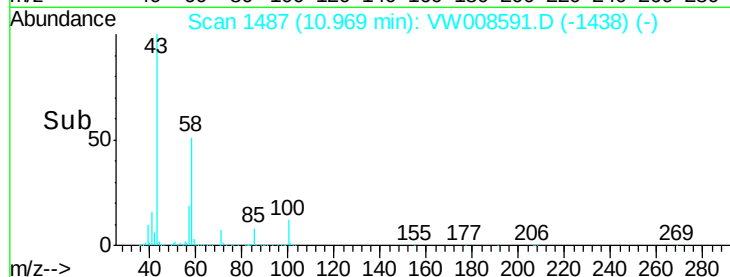
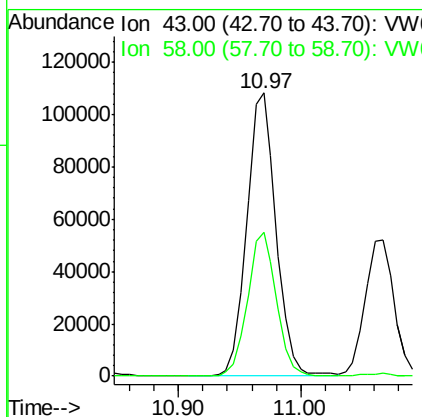
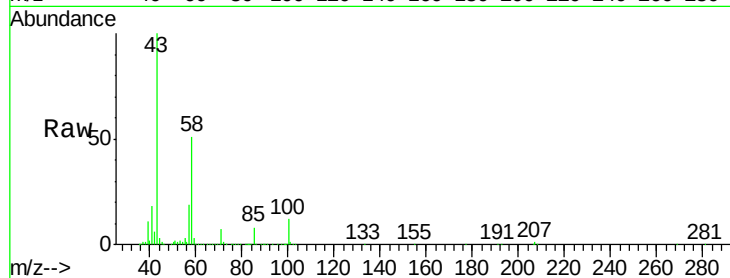
#59
2-Hexanone
Concen: 82.983 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion: 43 Resp: 179810
Ion Ratio Lower Upper
43 100
58 49.9 25.9 77.7

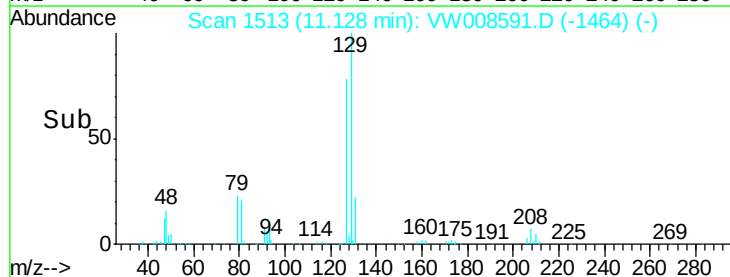
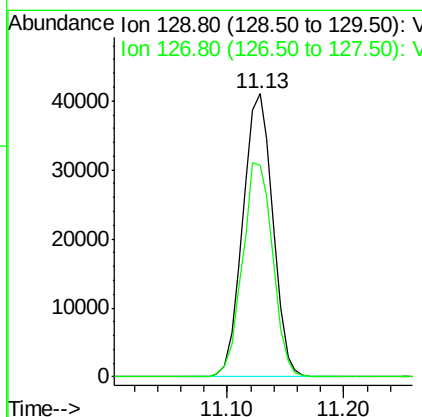
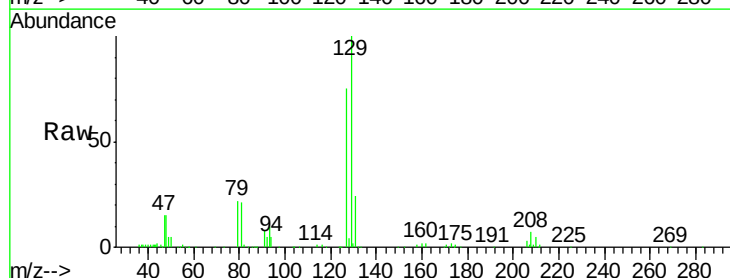
Manual Integrations
APPROVED

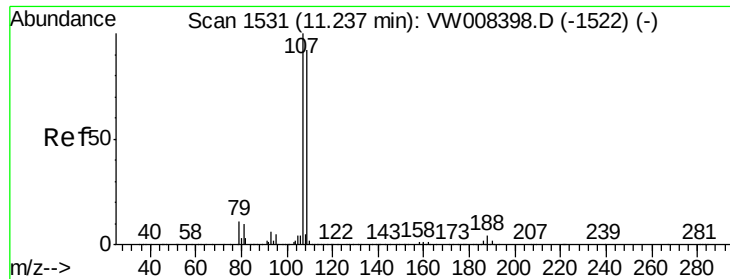
MMDadoda
2/12/2019 1:51:12 PM



#60
Dibromochloromethane
Concen: 17.242 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion: 129 Resp: 73926
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.2





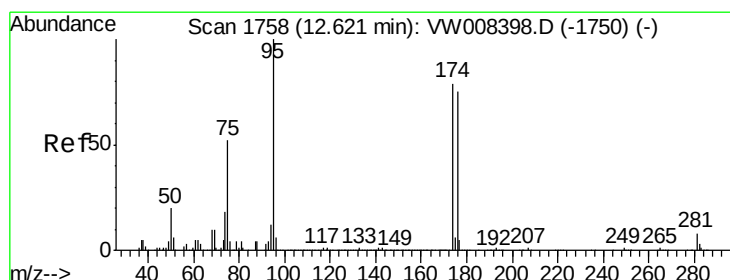
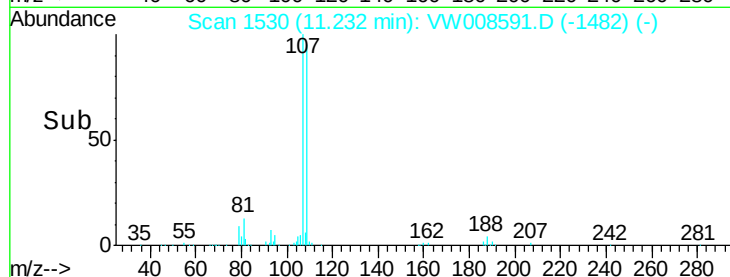
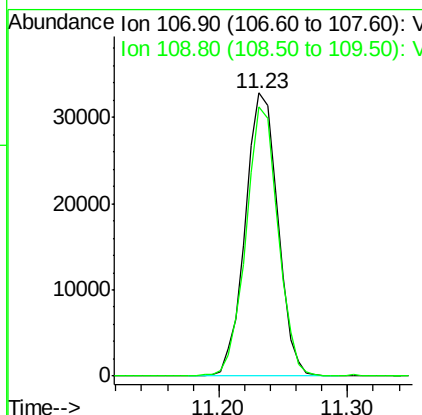
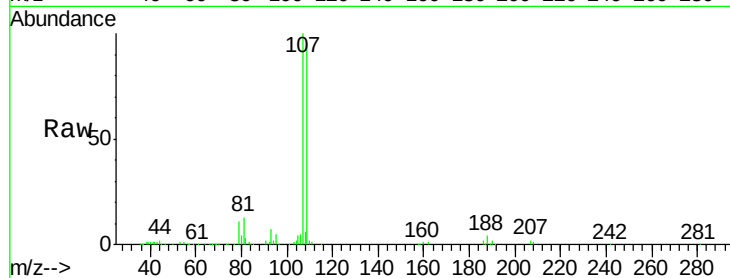
#61
 1,2-Dibromoethane
 Concen: 17.276 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.4

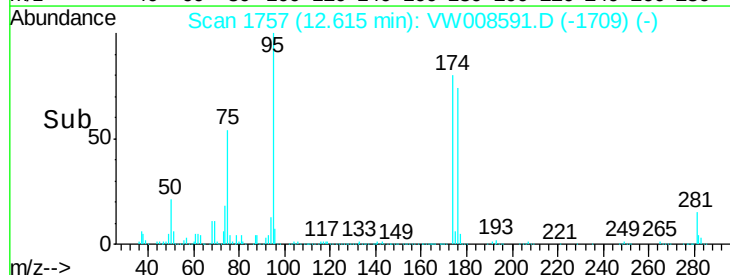
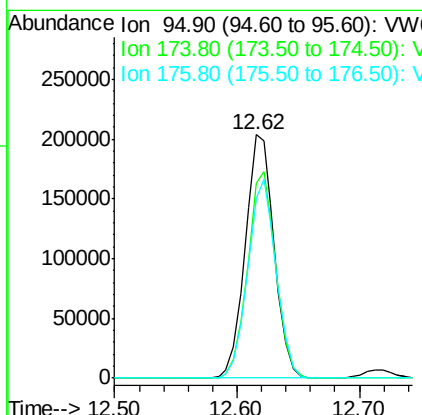
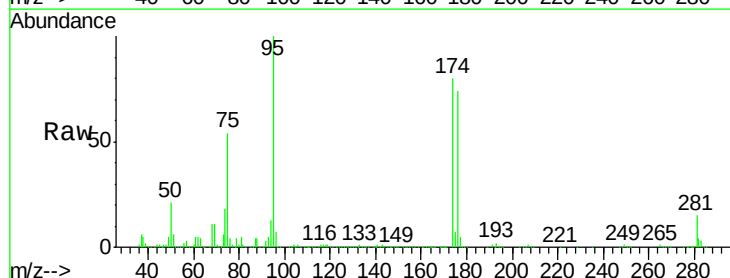
Manual Integrations
 APPROVED

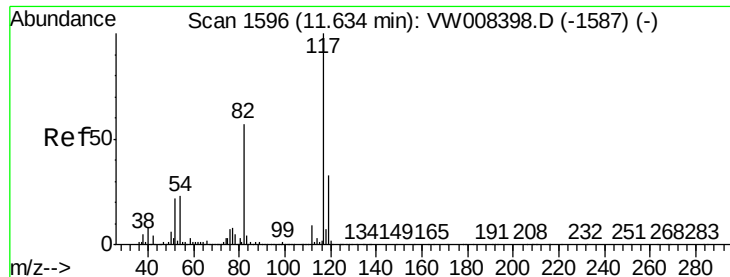
MMDadoda
 2/12/2019 1:51:12 PM



#62
 4-Bromofluorobenzene
 Concen: 51.607 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	157.6
176	80.2	0.0	151.8





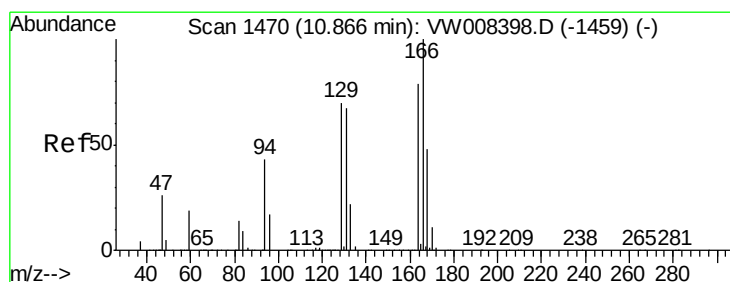
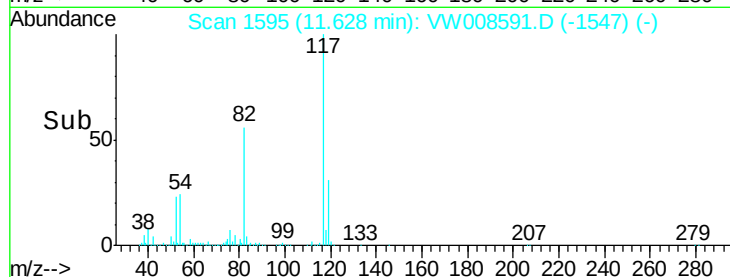
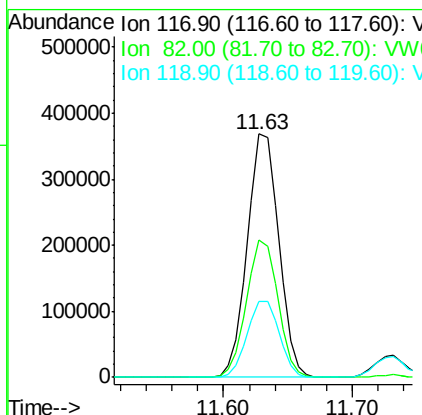
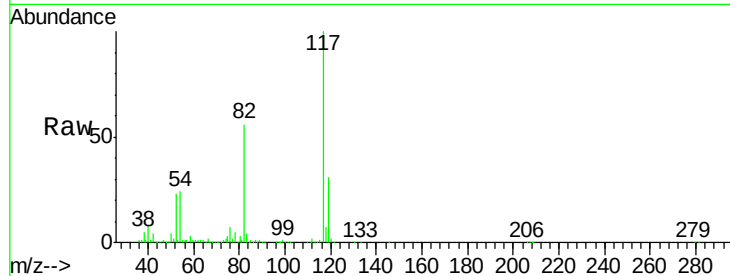
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	56.4	45.4	68.0
119	31.4	26.2	39.4

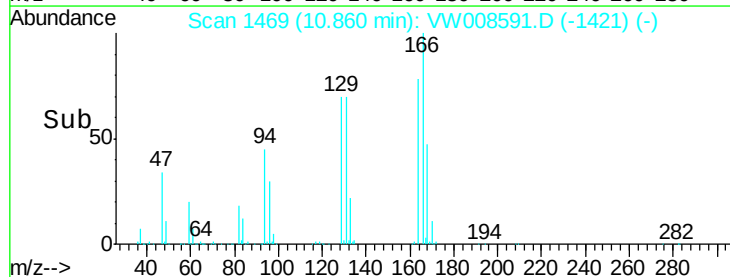
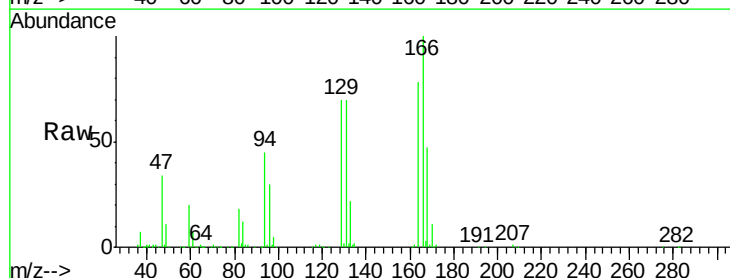
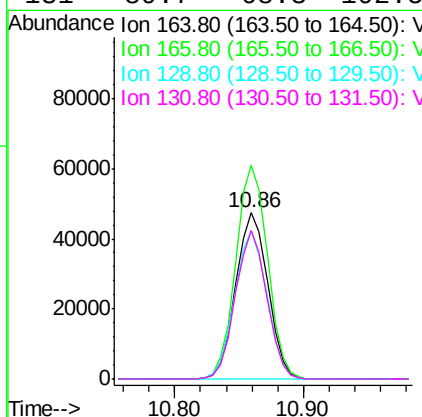
Manual Integrations
APPROVED

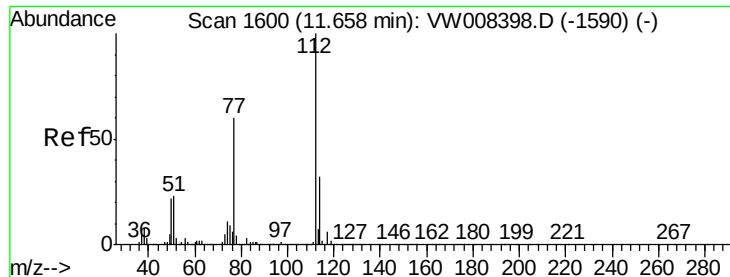
MMDadoda
2/12/2019 1:51:12 PM



#64
Tetrachloroethene
Concen: 19.427 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	128.6	101.4	152.0
129	89.7	71.0	106.6
131	89.7	68.3	102.5





#65

Chlorobenzene

Concen: 18.903 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion:112 Resp: 240785

Ion Ratio Lower Upper

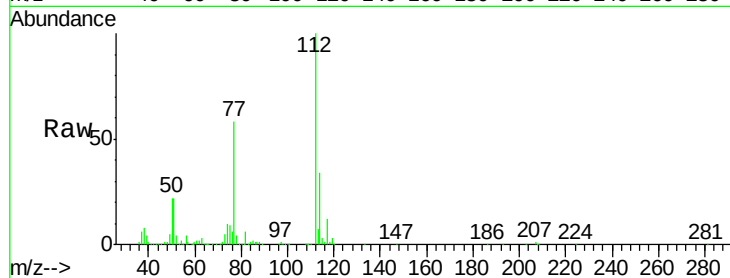
112 100

114 33.7 25.4 38.2

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

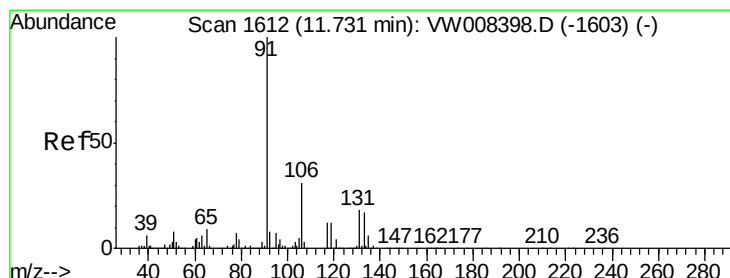
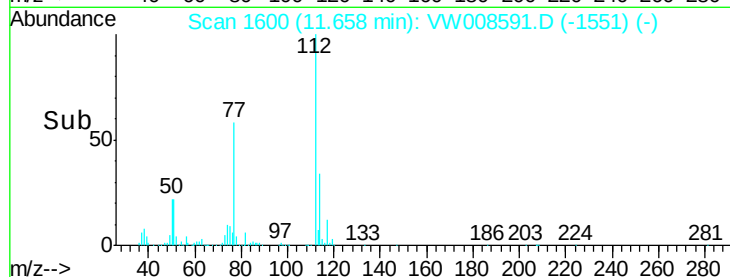
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.741 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

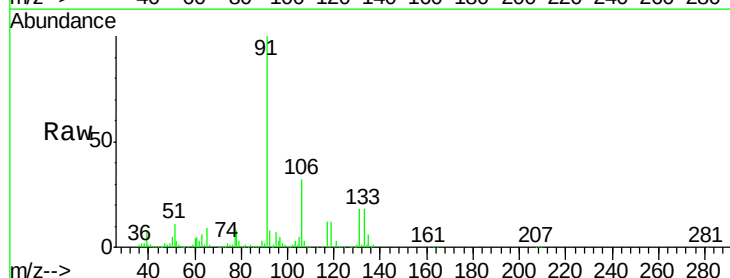
Tgt Ion:131 Resp: 85412

Ion Ratio Lower Upper

131 100

133 95.9 47.0 141.2

119 63.8 32.1 96.3



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

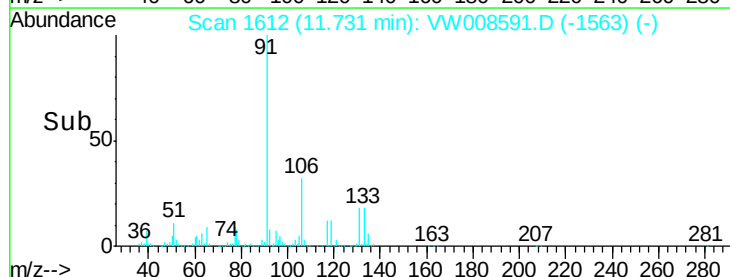
150000

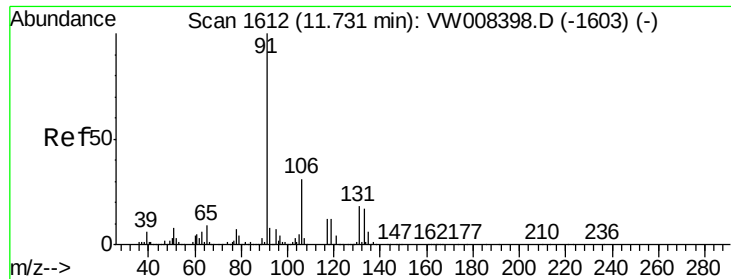
100000

50000

0

Time-->





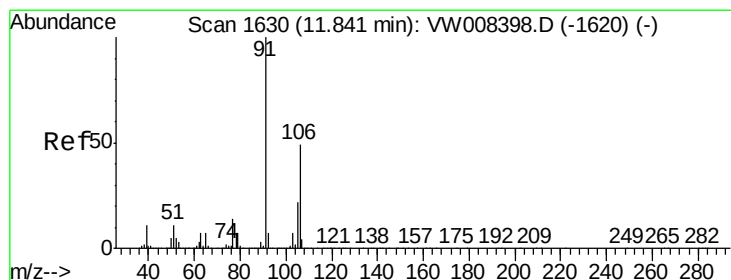
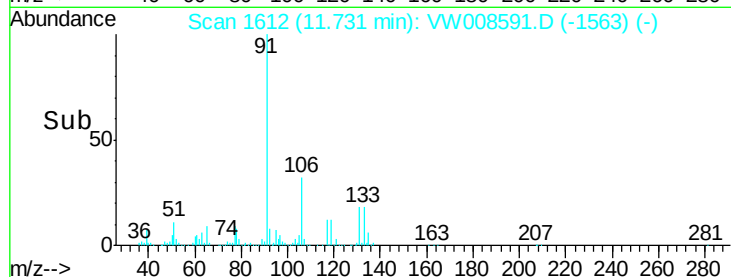
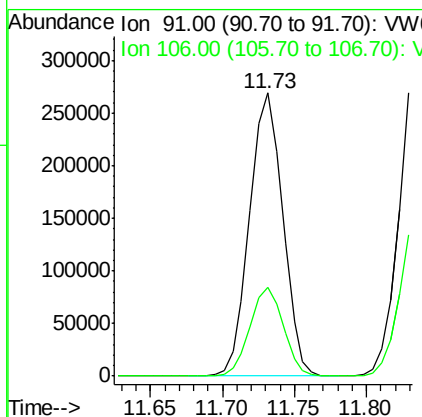
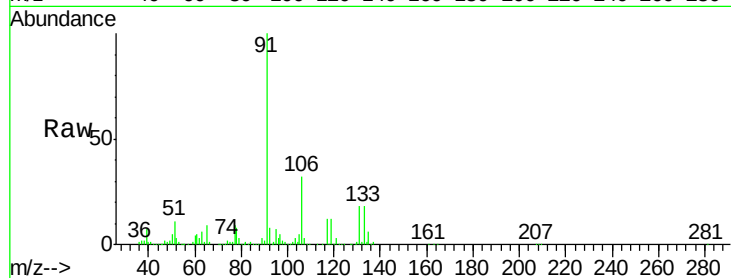
#67
Ethyl Benzene
Concen: 18.403 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion: 91 Resp: 430900
Ion Ratio Lower Upper
91 100
106 31.6 24.7 37.1

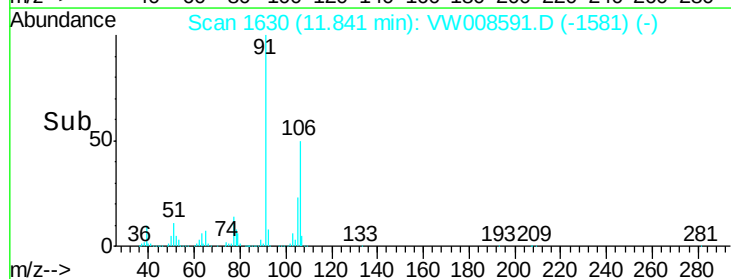
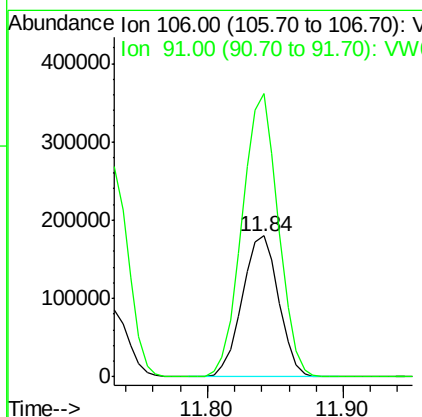
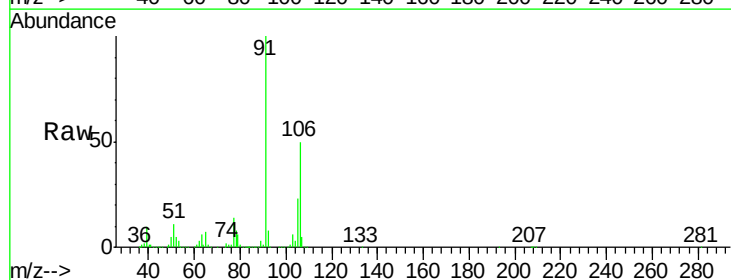
Manual Integrations
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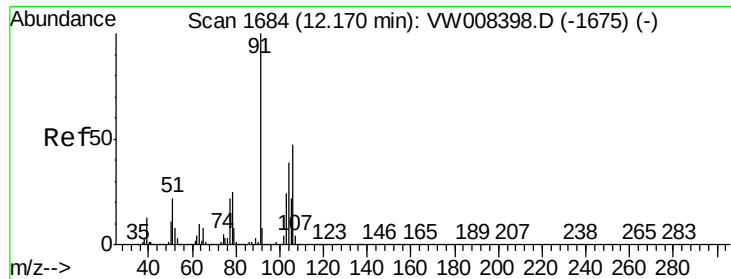
MMDadoda
2/12/2019 1:51:12 PM



#68
m/p-Xylenes
Concen: 37.219 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion: 106 Resp: 338132
Ion Ratio Lower Upper
106 100
91 198.7 162.9 244.3





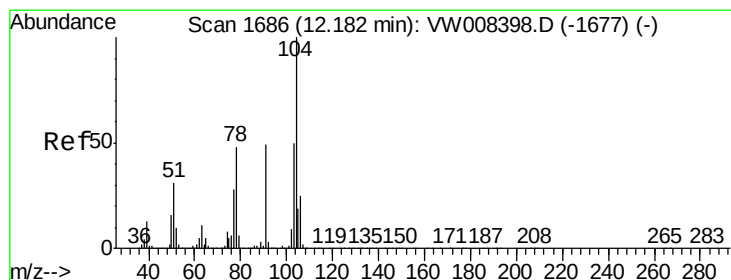
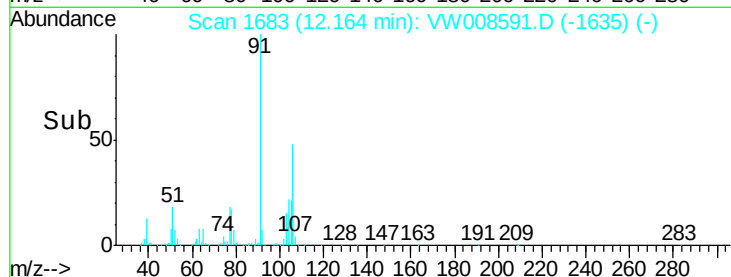
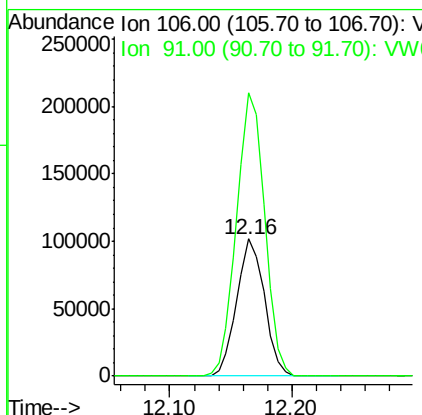
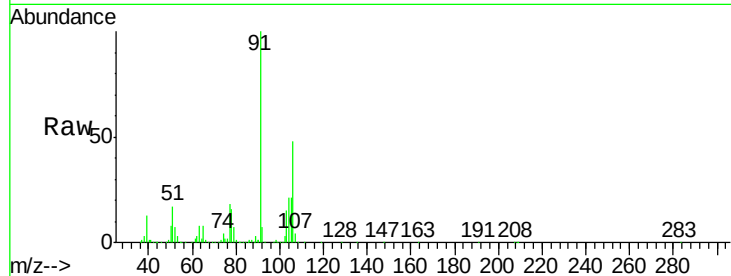
#69
o-Xylene
Concen: 18.509 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	107.5	322.4

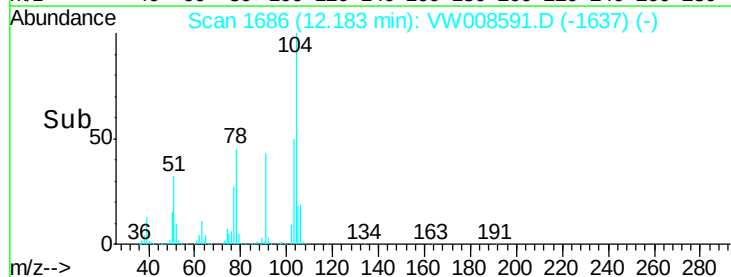
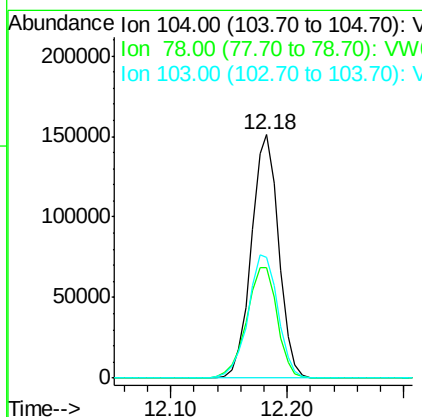
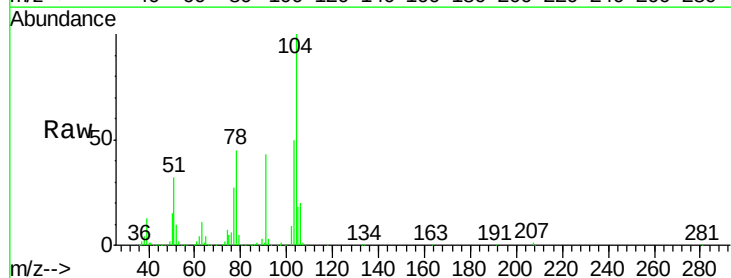
Manual Integrations
APPROVED

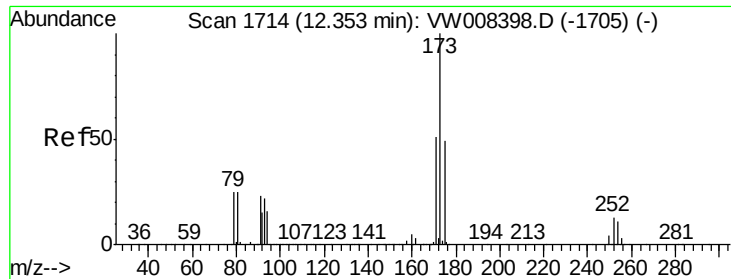
MMDadoda
2/12/2019 1:51:12 PM



#70
Styrene
Concen: 17.370 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	42.4	63.6
103	55.6	43.4	65.0





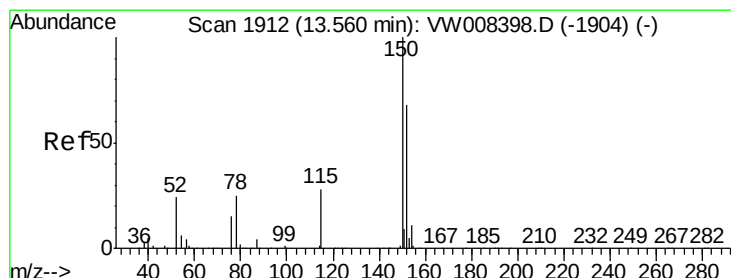
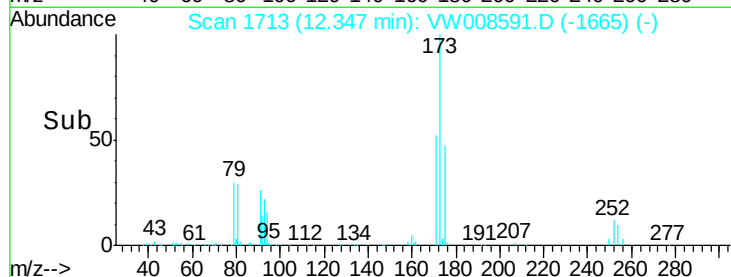
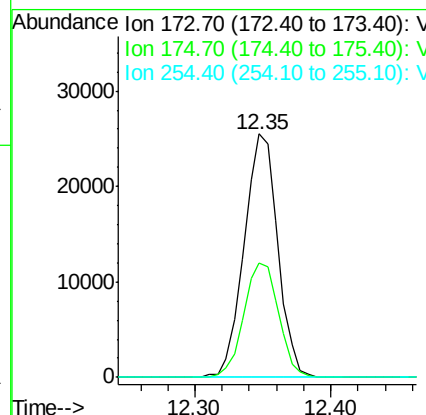
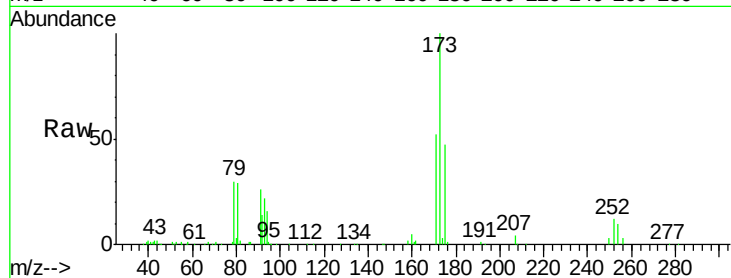
#71
Bromoform
Concen: 17.172 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.0	0.2	0.2

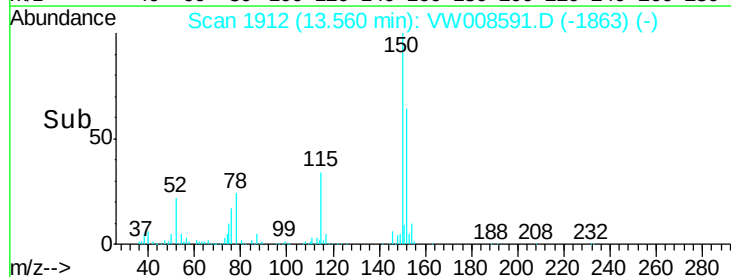
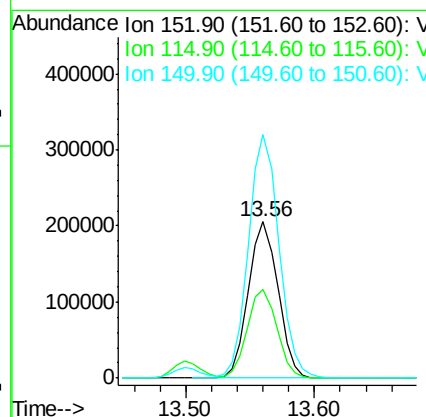
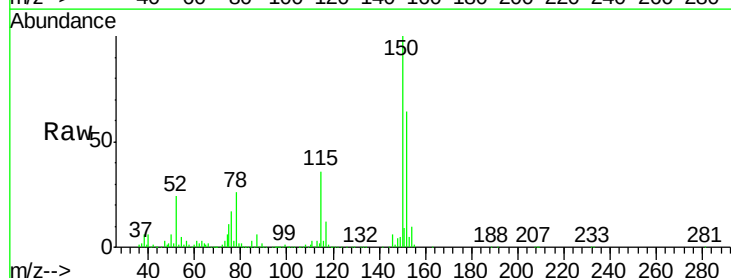
Manual Integrations
APPROVED

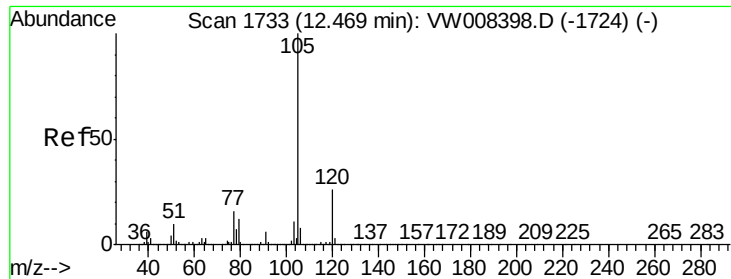
MMDadoda
2/12/2019 1:51:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.9	89.7
150	160.2	0.0	351.4





#73

Isopropylbenzene

Concen: 18.326 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 105 Resp: 444518

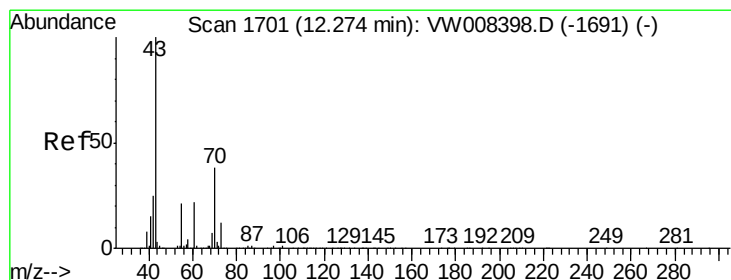
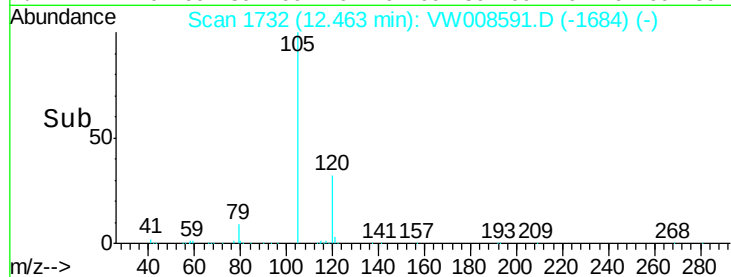
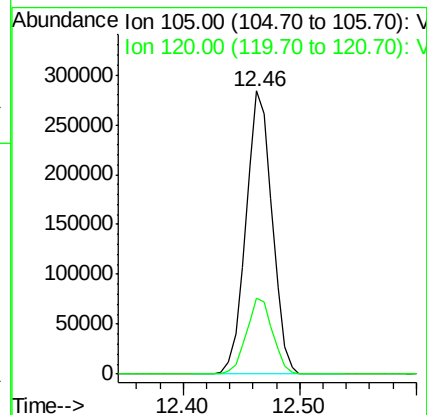
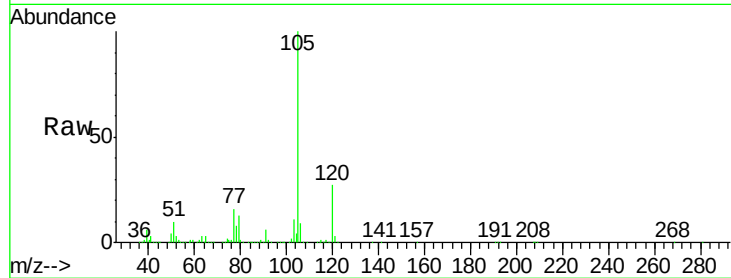
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.8

Manual Integrations
APPROVED

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2/12/2019 1:51:12 PM



#74

N-ethyl acetate

Concen: 15.781 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion: 43 Resp: 98611

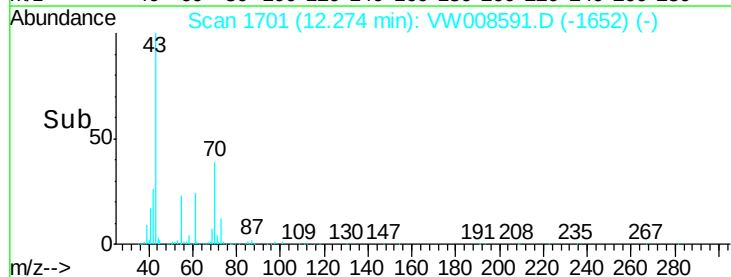
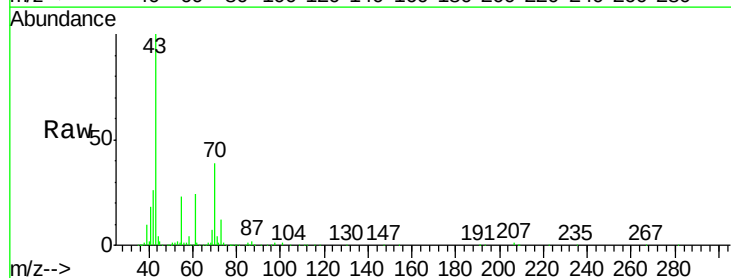
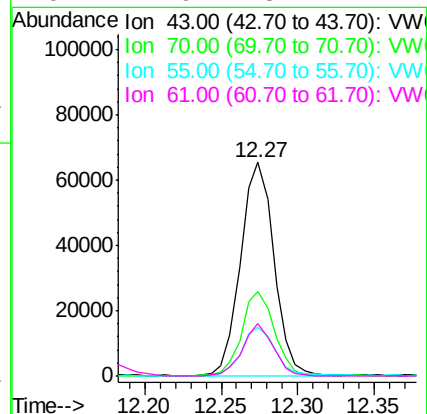
Ion Ratio Lower Upper

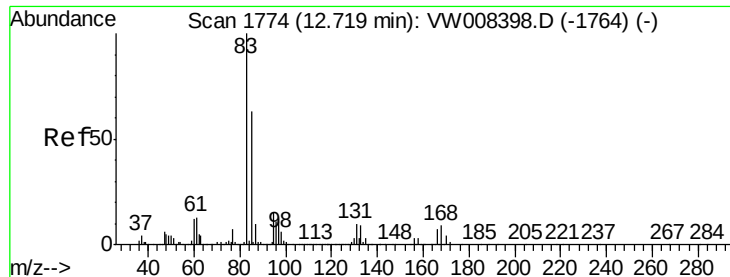
43 100

70 39.3 31.0 46.6

55 23.0 17.4 26.2

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 16.963 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

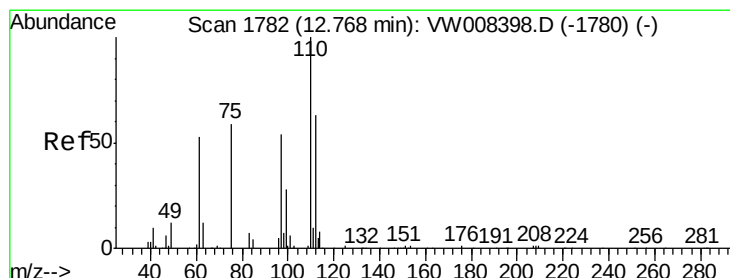
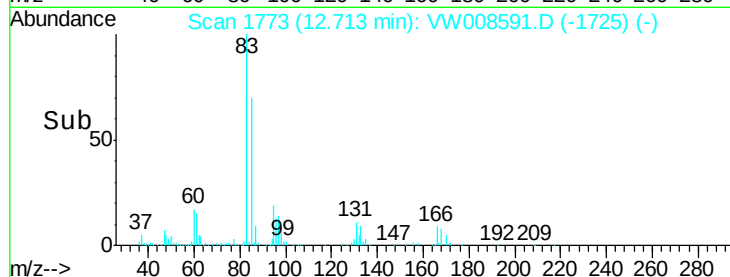
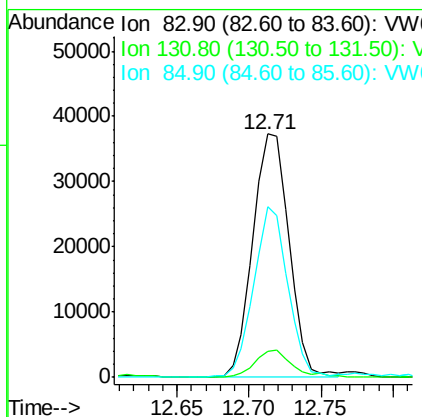
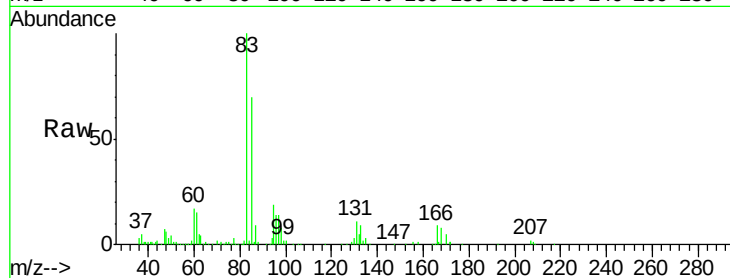
ClientSampleId :

VW0211SBS01

Tot Ion:	83	Resp:	65142
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.4
85	65.5	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.575 ug/l m

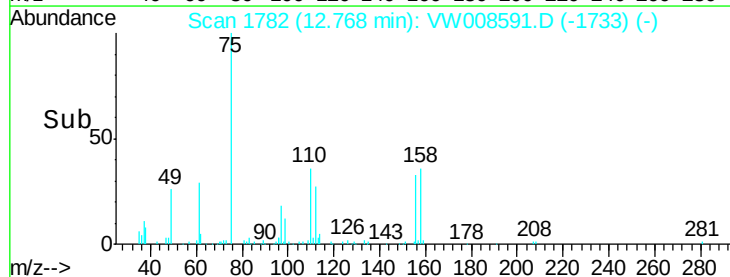
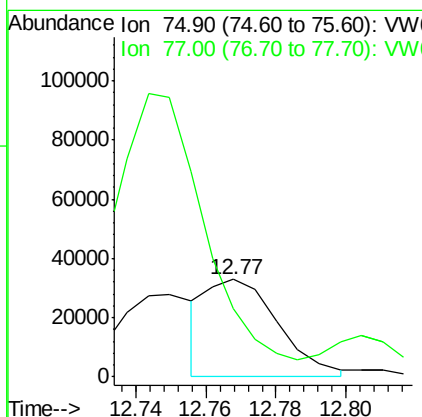
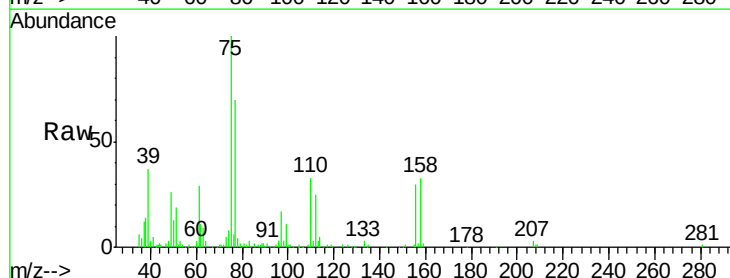
RT: 12.77 min Scan# 1782

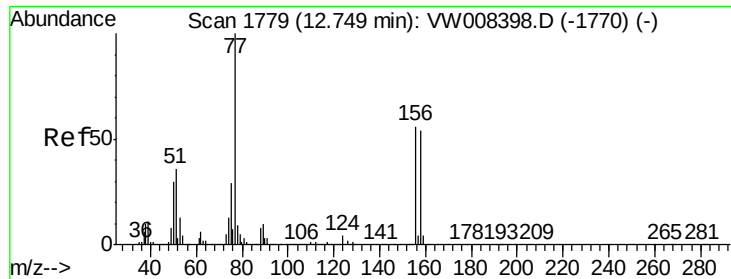
Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	75	Resp:	46888
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





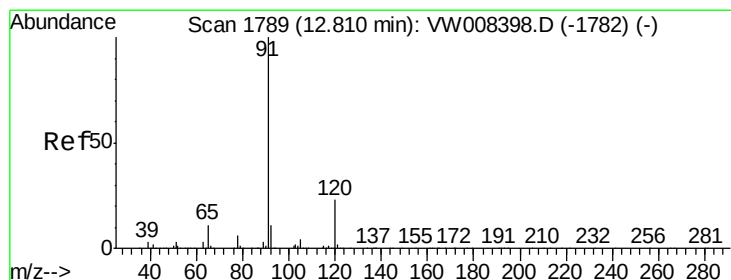
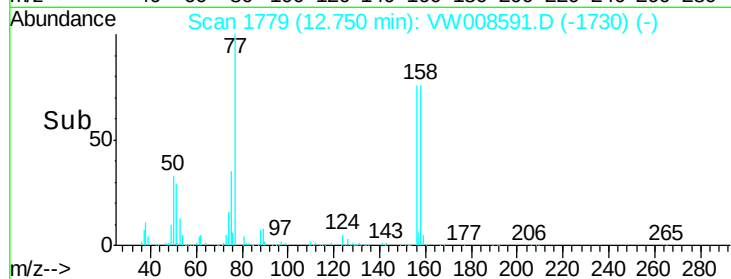
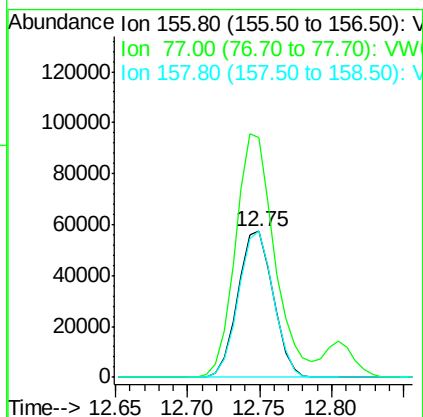
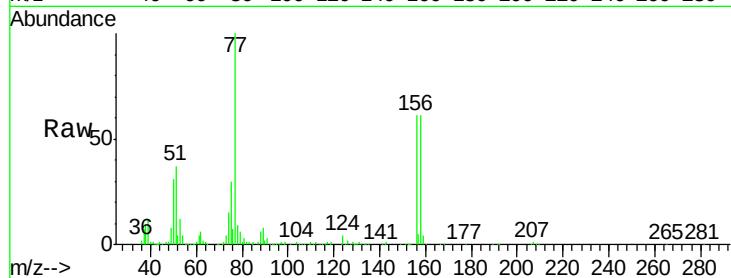
#77
Bromobenzene
Concen: 18.494 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.4	96.9	290.7
158	98.2	48.8	146.4

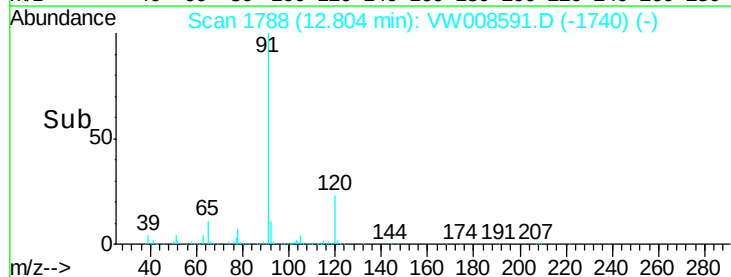
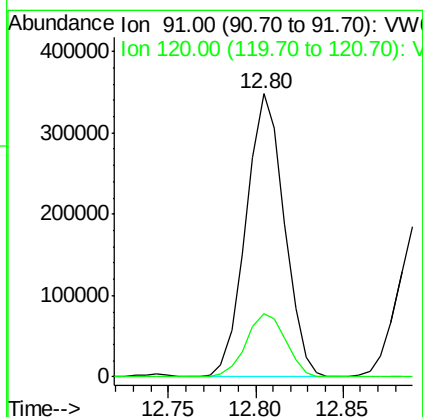
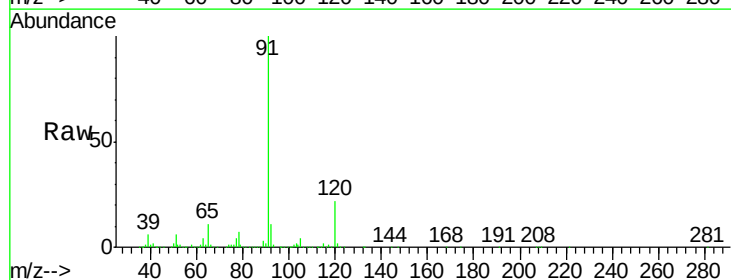
Manual Integrations
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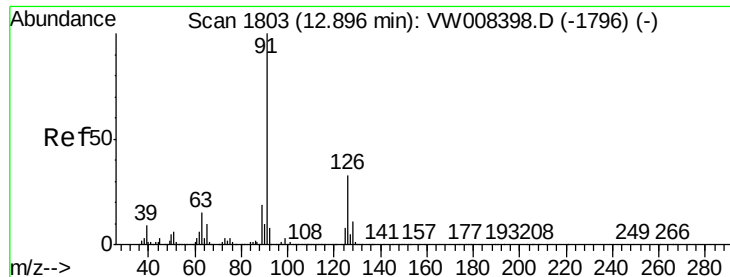
MMDadoda
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#78
n-propylbenzene
Concen: 18.156 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.4	34.1





#79

2-Chlorotoluene

Concen: 18.013 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 91 Resp: 296136

Ion Ratio Lower Upper

91 100

126 33.7

16.5

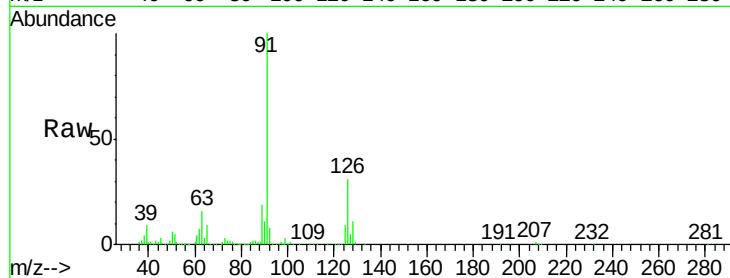
49.5

Manual Integrations

APPROVED

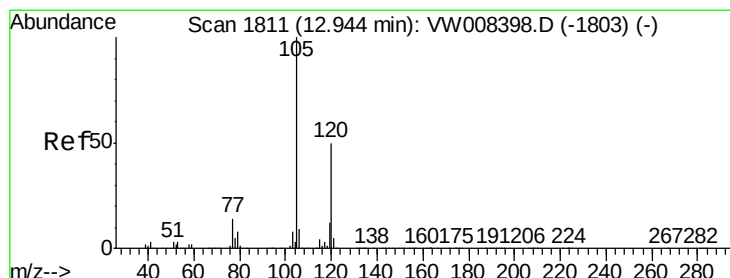
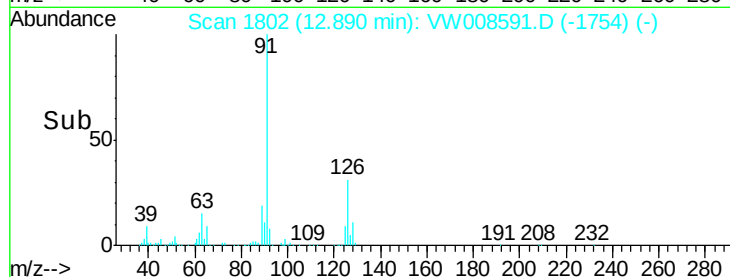
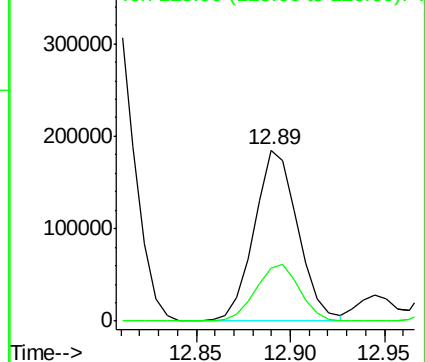
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.046 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion: 105 Resp: 365865

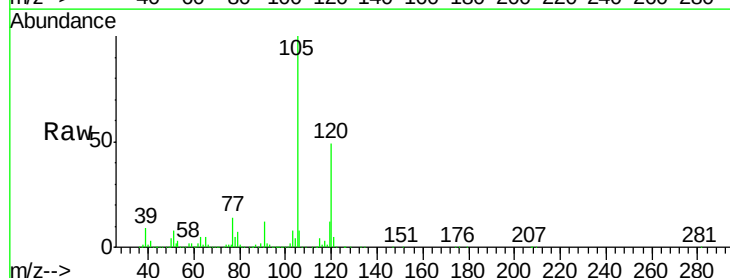
Ion Ratio Lower Upper

105 100

120 49.9

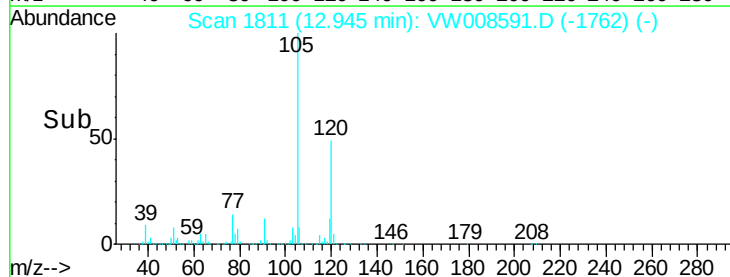
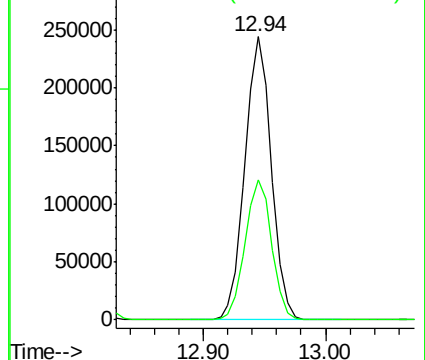
24.6

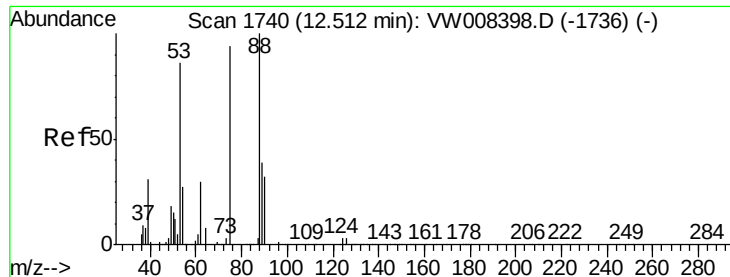
73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.446 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

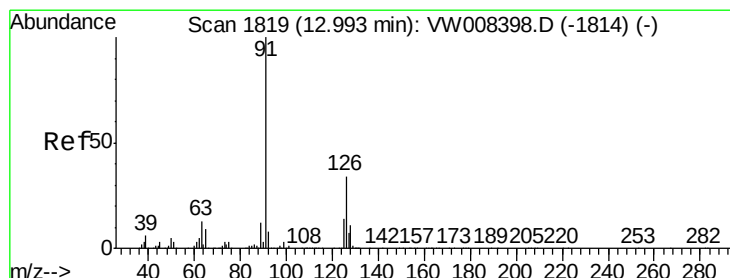
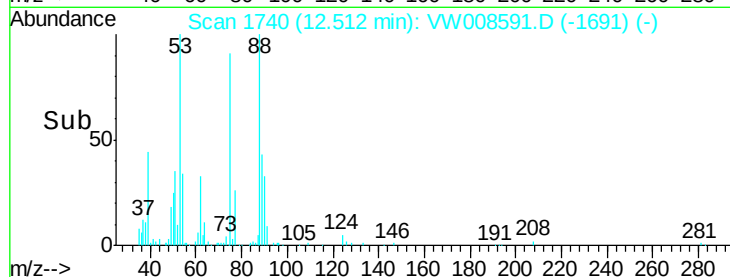
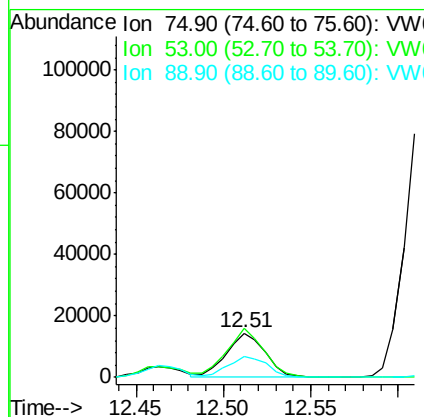
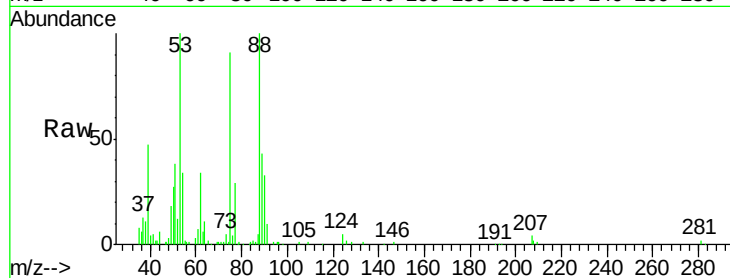
ClientSampleId :

VW0211SBS01

Tot Ion:	75	Resp:	22122
Ion Ratio	Lower	Upper	
75	100		
53	106.5	76.0	114.0
89	47.7	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.553 ug/l

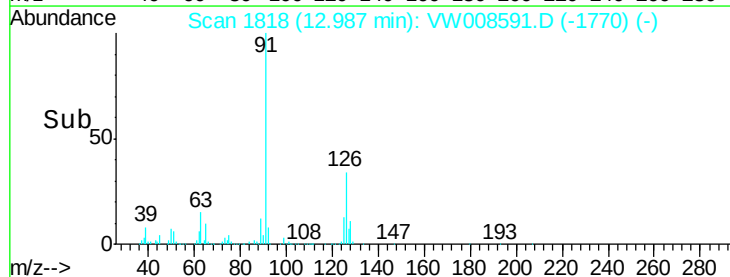
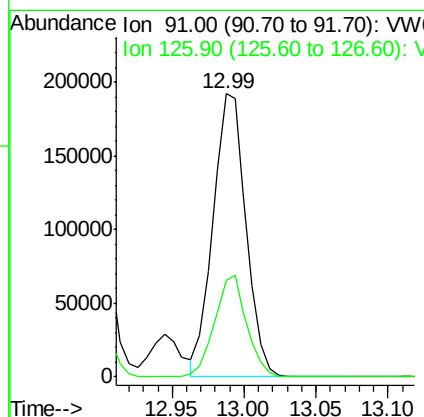
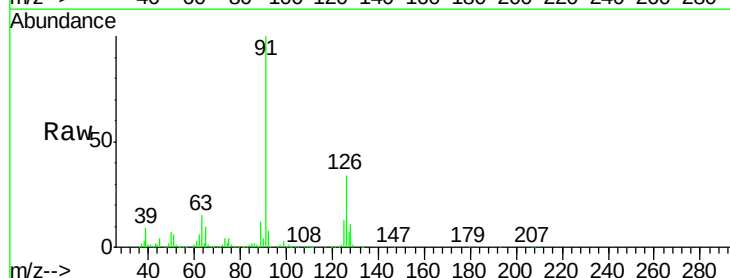
RT: 12.99 min Scan# 1818

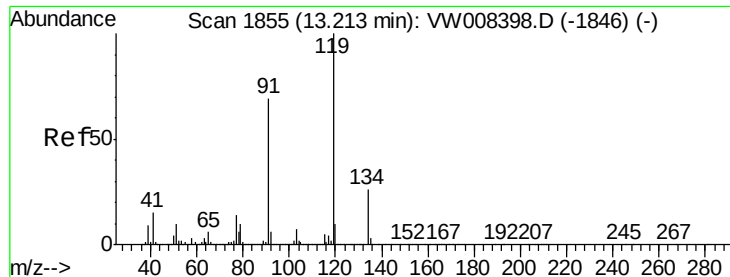
Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion:	91	Resp:	307236
Ion Ratio	Lower	Upper	
91	100		
126	34.7	16.4	49.2





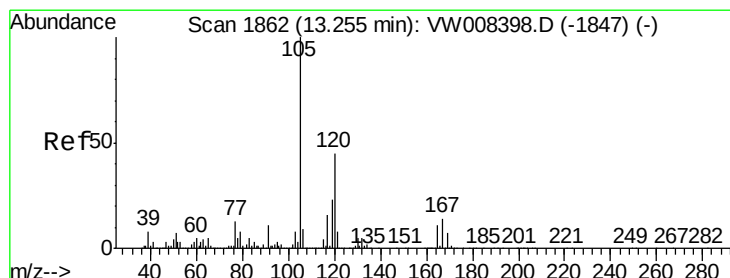
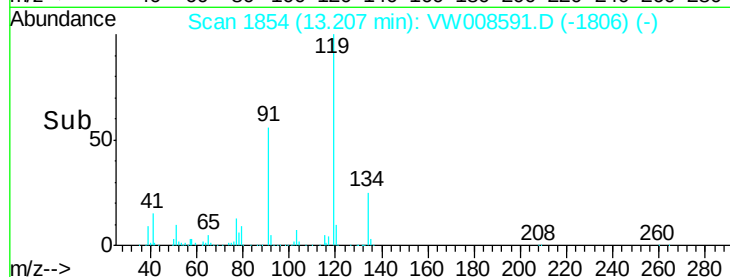
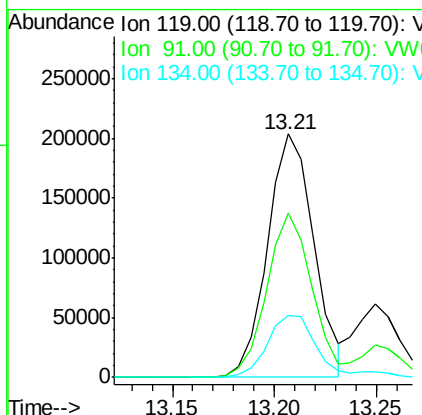
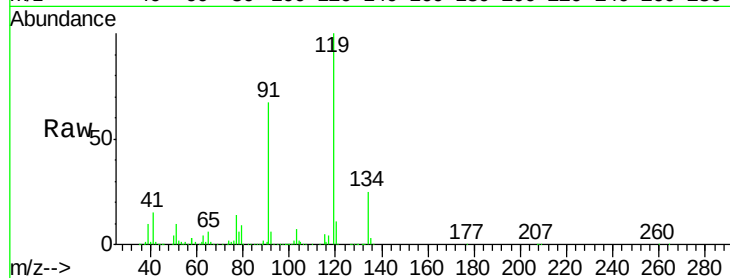
#83
tert-Butylbenzene
Concen: 17.900 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.8	101.4
134	28.3	13.5	40.4

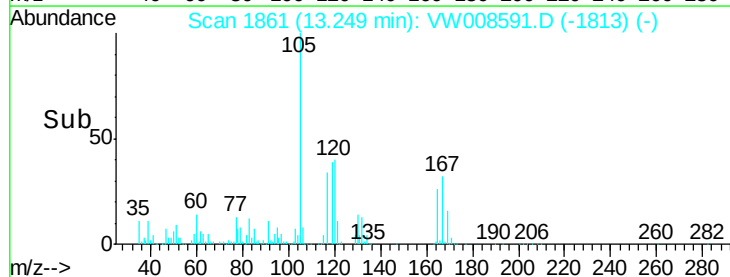
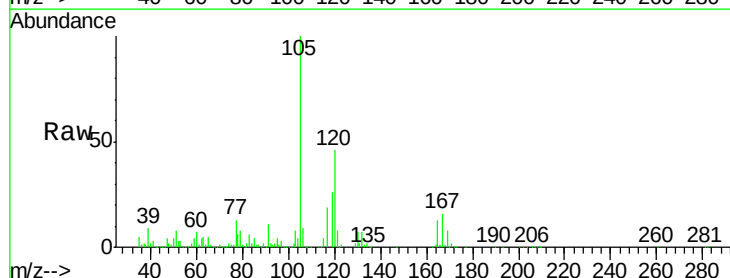
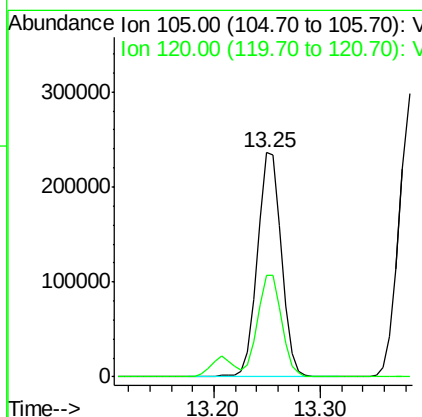
Manual Integrations
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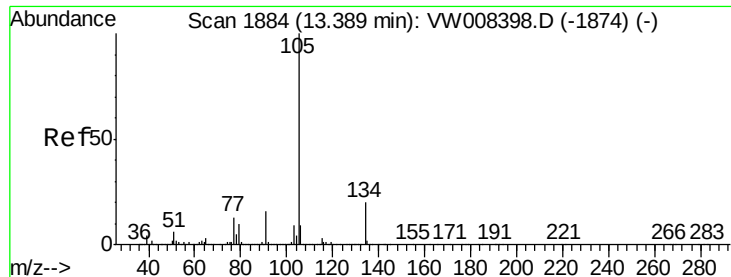
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#84
1,2,4-Trimethylbenzene
Concen: 18.184 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 18.233 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion:105 Resp: 469783

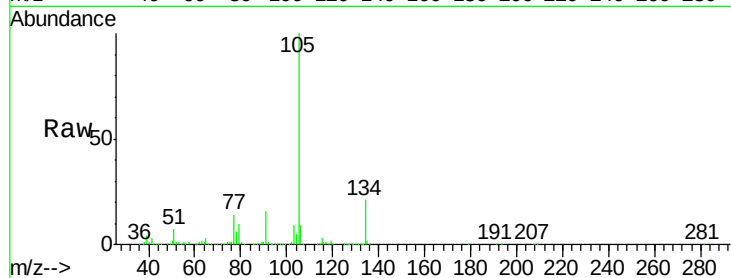
Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6

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

Ion 134.00 (133.70 to 134.70): V

300000

200000

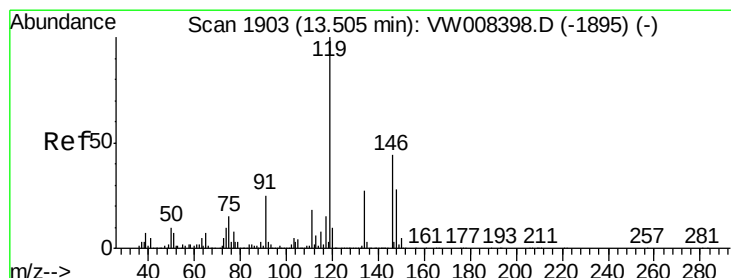
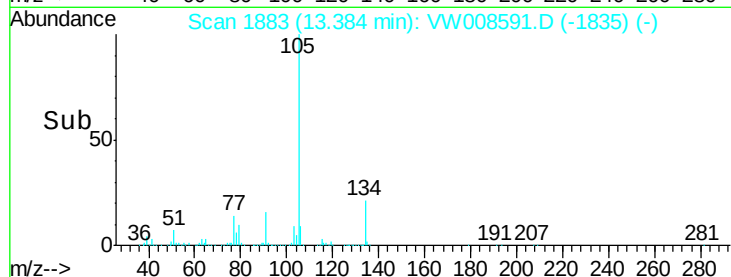
100000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 18.605 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

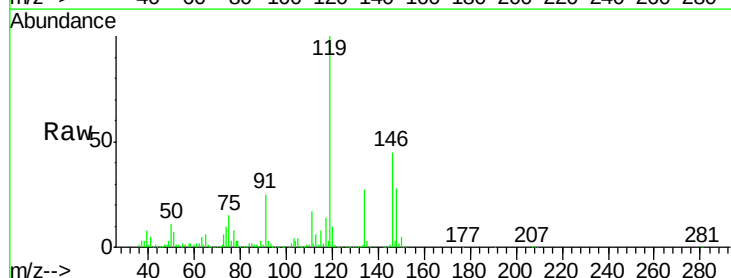
Tgt Ion:119 Resp: 419896

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 24.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

200000

100000

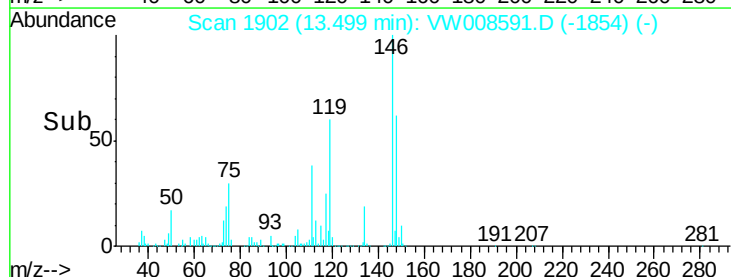
0

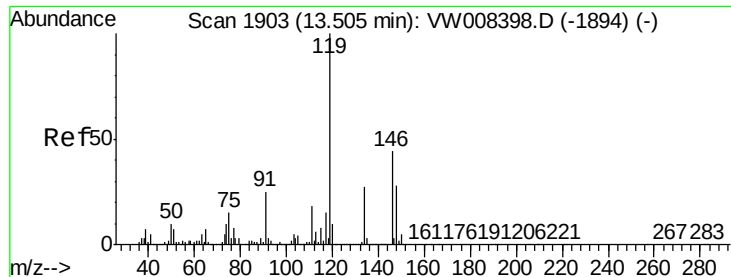
13.45

13.50

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.628 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008591.D

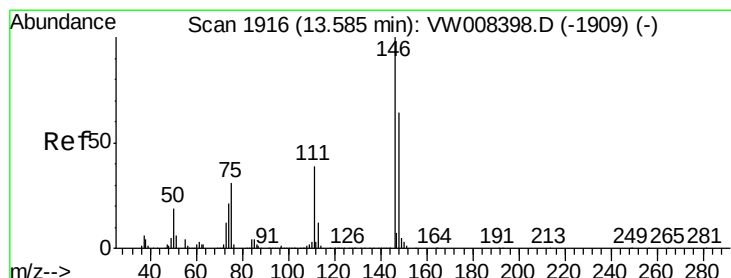
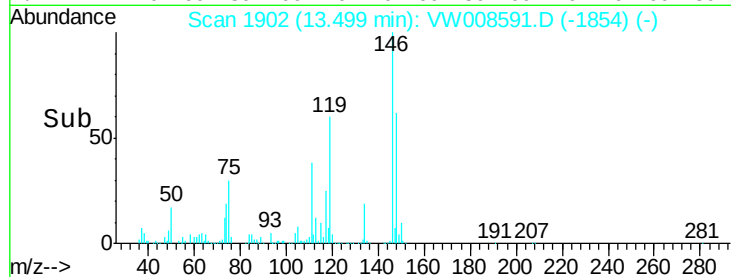
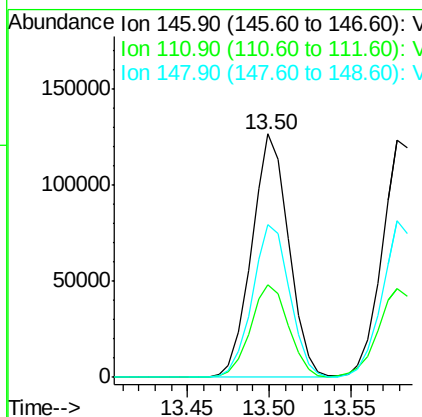
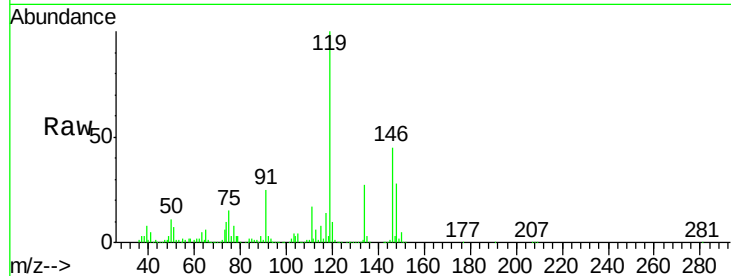
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.1	20.3	60.9
148	63.3	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.534 ug/l

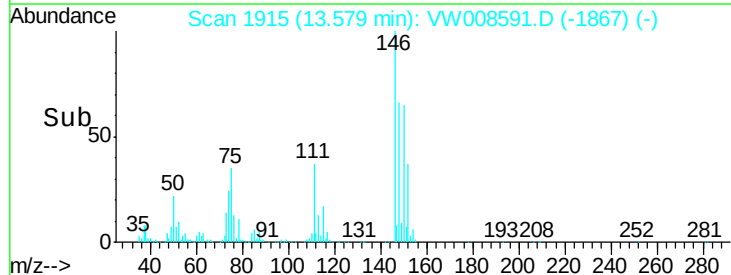
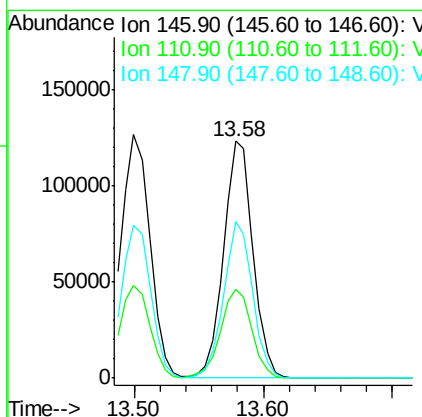
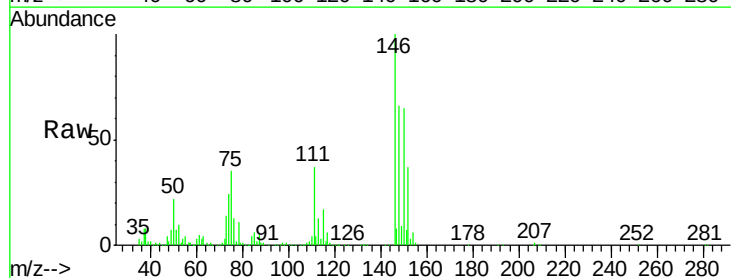
RT: 13.58 min Scan# 1915

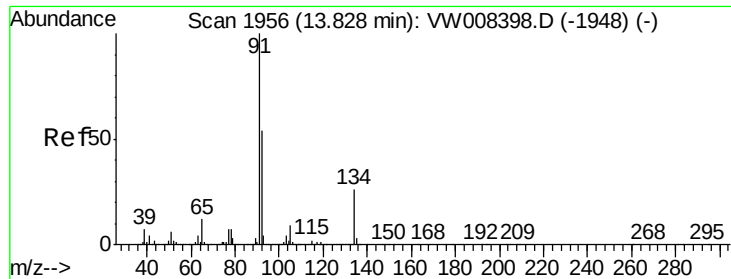
Delta R.T. -0.01 min

Lab File: VW008591.D

Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.9	20.0	60.0
148	65.1	32.0	96.2





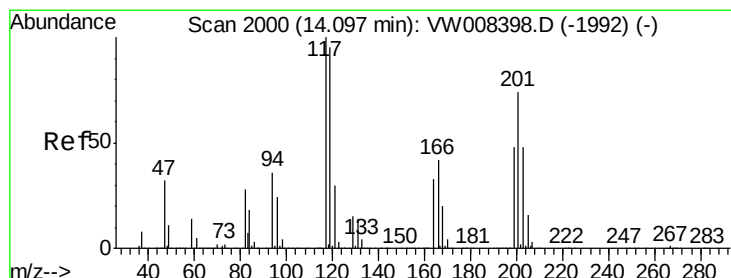
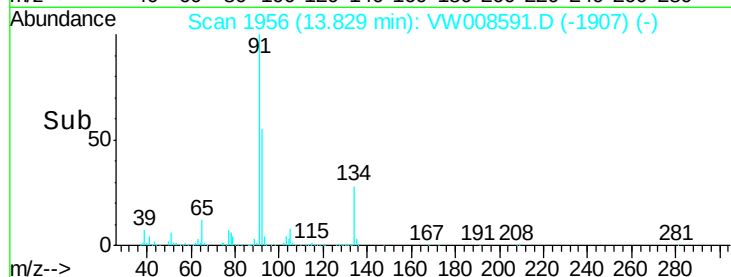
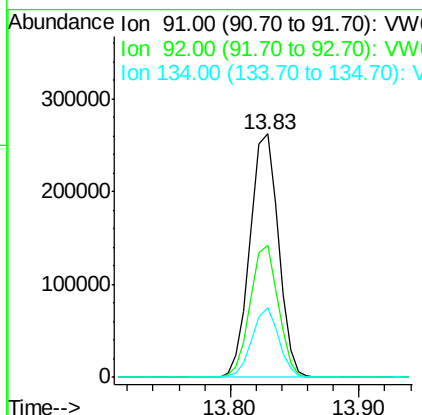
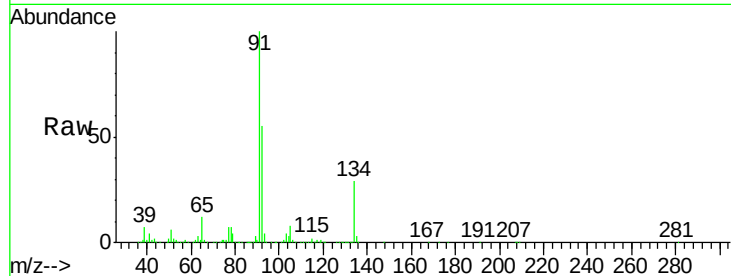
#89
n-Butylbenzene
Concen: 17.958 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.4	82.2
134	26.9	13.0	39.0

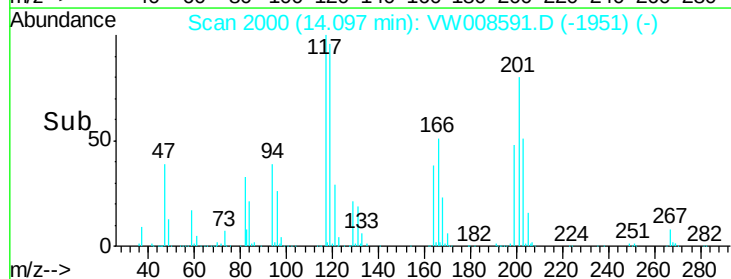
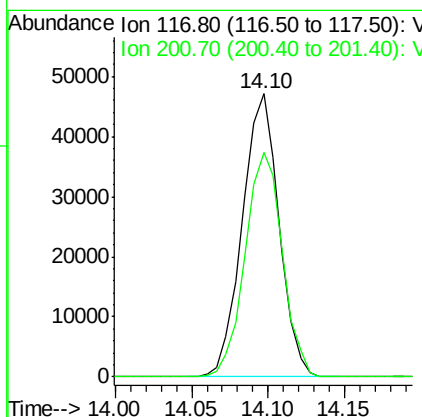
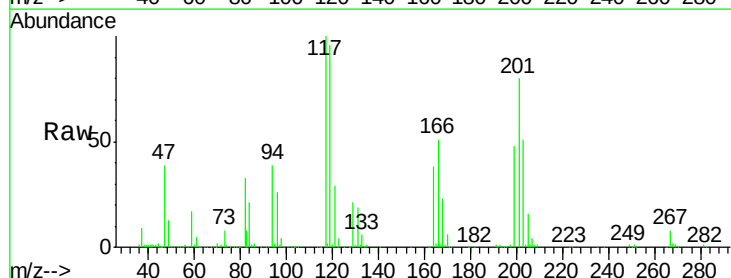
Manual Integrations
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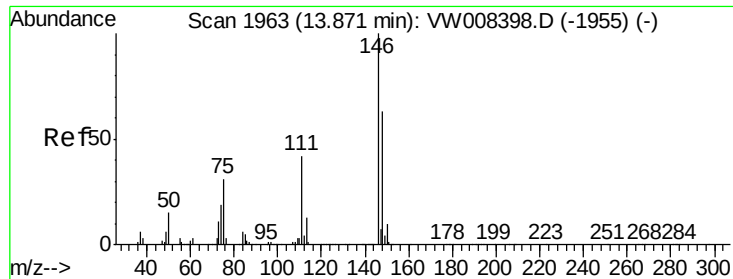
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#90
Hexachloroethane
Concen: 17.805 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	39.1	117.5





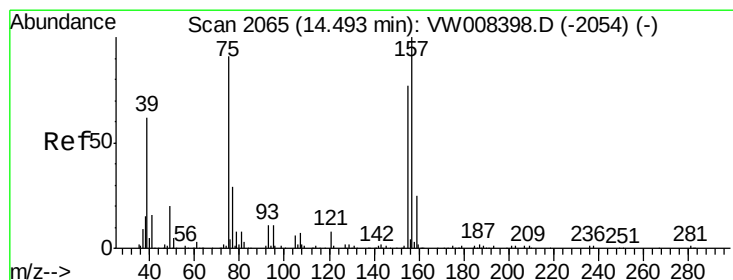
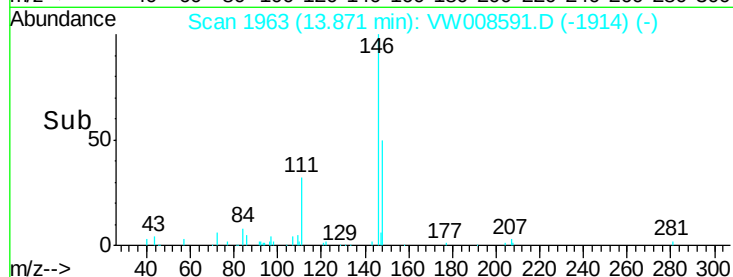
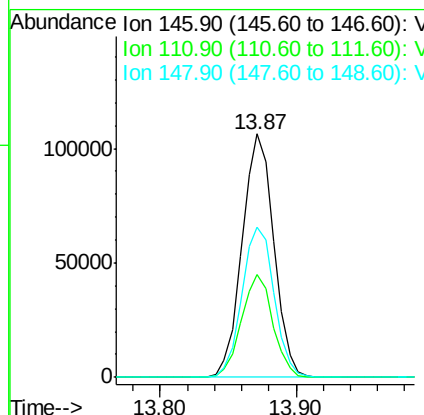
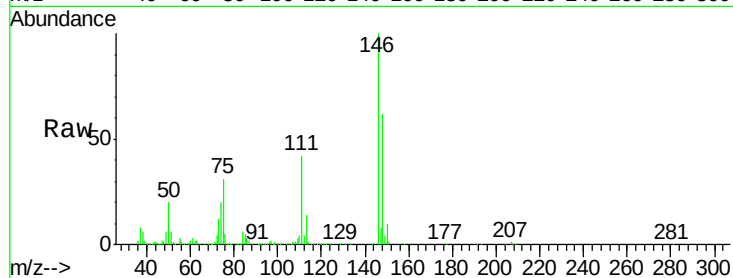
#91
 1,2-Dichlorobenzene
 Concen: 18.310 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	62.7	31.9	95.5

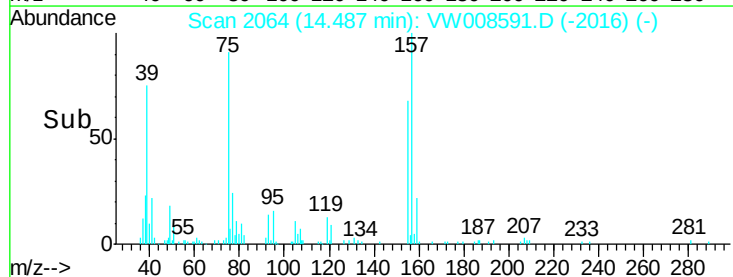
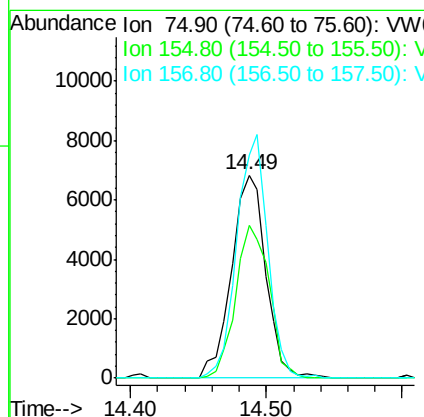
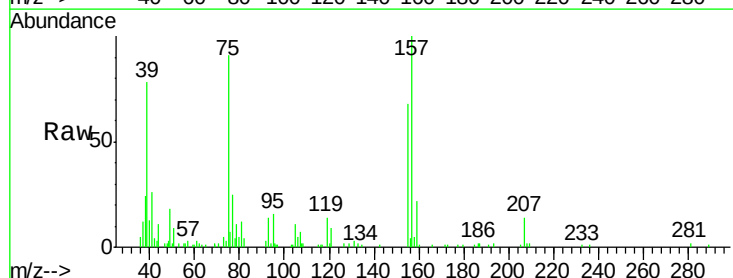
Manual Integrations
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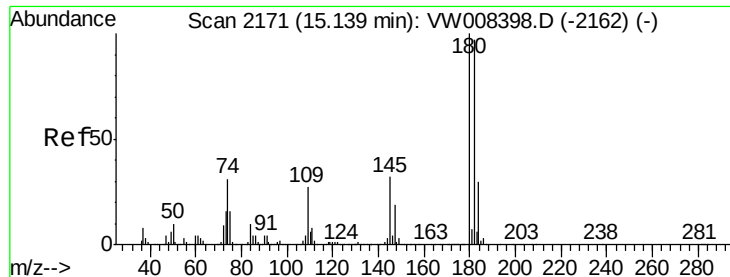
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.496 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	42.7	128.1
157	107.7	55.5	166.3





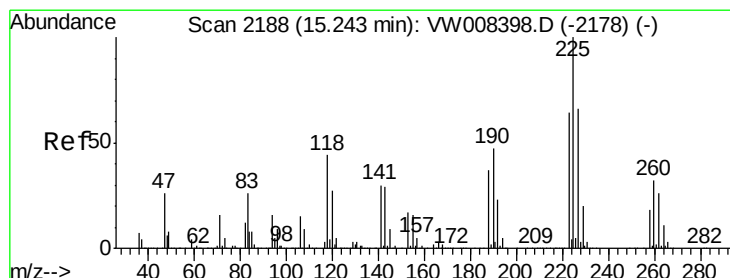
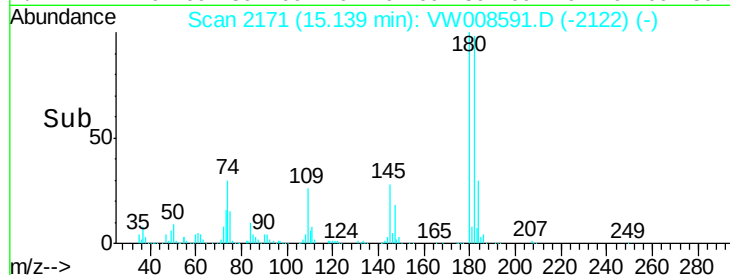
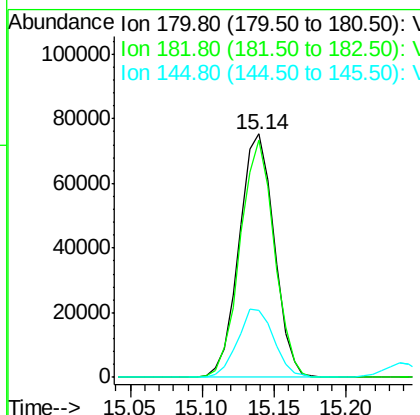
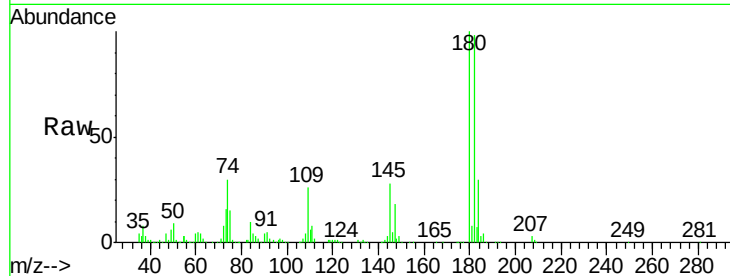
#93
 1,2,4-Trichlorobenzene
 Concen: 18.797 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126979		
182	95.1	47.9	143.7	
145	29.1	15.5	46.5	

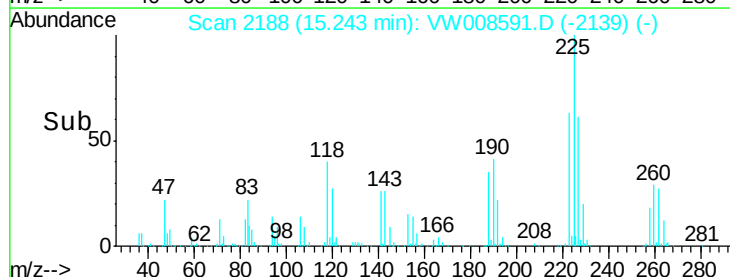
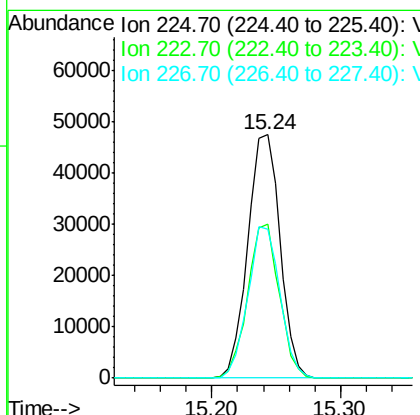
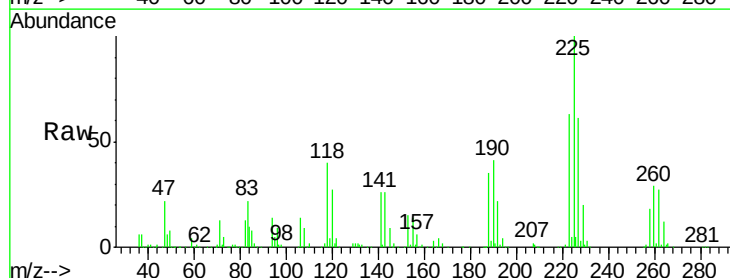
Manual Integrations
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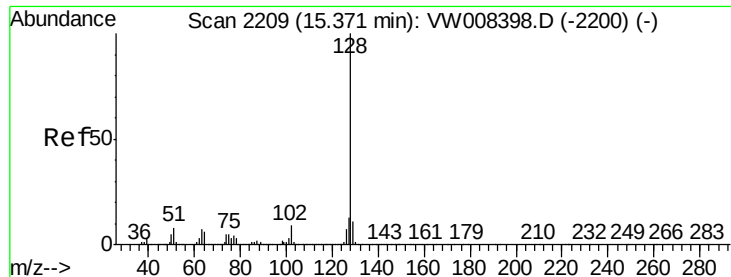
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 2/12/2019 1:51:12 PM



#94
 Hexachlorobutadiene
 Concen: 20.119 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008591.D
 Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81906		
223	61.4	31.7	95.1	
227	61.6	32.1	96.3	





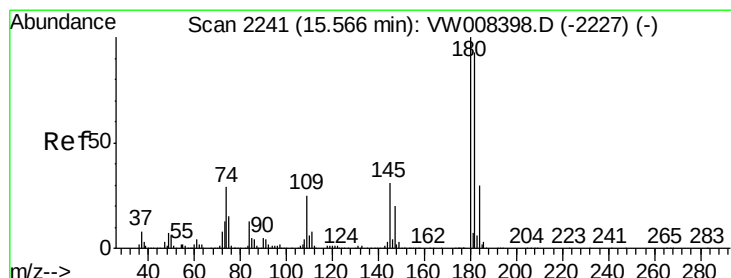
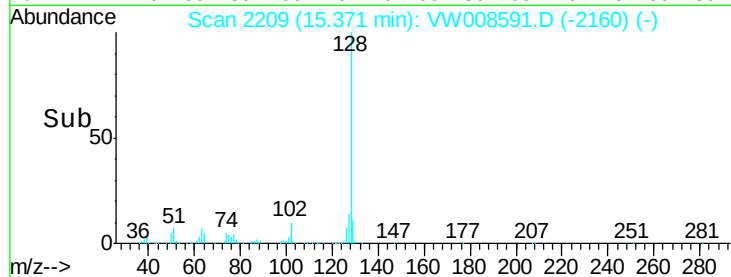
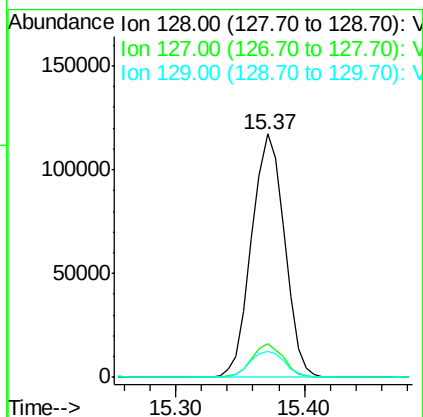
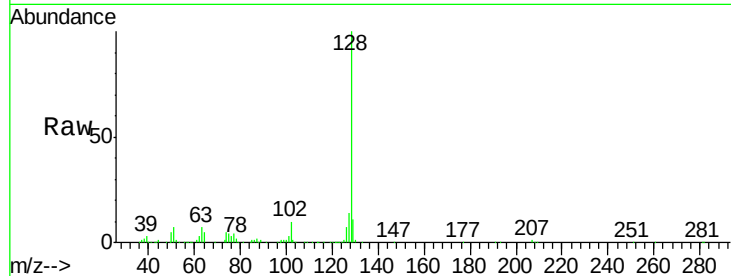
#95
Naphthalene
Concen: 17.462 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	207121		
127	13.3	10.6	15.8	
129	11.3	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/12/2019 1:51:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.681 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008591.D
Acq: 11 Feb 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107047		
182	94.5	47.0	141.2	
145	32.2	15.9	47.6	

