

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008547.D
 Acq On : 07 Feb 2019 12:48
 Operator : SY/VA
 Sample : K1385-02MS
 Misc : 9.82G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:38:38 PM

Quant Time: Feb 08 22:49:01 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	7.95	168	514029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	787002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	674109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	281608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	286611	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
35) Dibromofluoromethane	7.88	113	261217	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
50) Toluene-d8	10.32	98	961206	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.62	95	314873	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	133651	45.318	ug/l 92
3) Chloromethane	2.21	50	202681	48.305	ug/l 99
4) Vinyl Chloride	2.37	62	281476	52.698	ug/l 100
5) Bromomethane	2.78	94	227766	66.112	ug/l 93
6) Chloroethane	2.92	64	218564	66.909	ug/l 94
7) Trichlorofluoromethane	3.25	101	249956	53.444	ug/l 96
8) Diethyl Ether	3.67	74	155487	60.655	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	258740	55.653	ug/l 97
10) Methyl Iodide	4.26	142	409542	55.770	ug/l 99
11) Tert butyl alcohol	5.17	59	131097	322.446	ug/l 95
12) 1,1-Dichloroethene	4.03	96	251453	53.443	ug/l 96
13) Acrolein	3.89	56	53165	149.915	ug/l 98
14) Allyl chloride	4.65	41	448994	50.255	ug/l 99
15) Acrylonitrile	5.37	53	361499	326.581	ug/l 99
16) Acetone	4.12	43	420198	370.539	ug/l 94
17) Carbon Disulfide	4.37	76	650589	43.295	ug/l 99
18) Methyl Acetate	4.67	43	452402	149.571	ug/l 97
19) Methyl tert-butyl Ether	5.42	73	495499	63.651	ug/l 98
20) Methylene Chloride	4.90	84	325576	62.290	ug/l 95
21) trans-1,2-Dichloroethene	5.41	96	273182	51.645	ug/l 93
22) Diisopropyl ether	6.31	45	899520	53.123	ug/l 99
23) Vinyl Acetate	6.25	43	636190	63.629	ug/l 100
24) 1,1-Dichloroethane	6.21	63	516622	53.901	ug/l 99
25) 2-Butanone	7.17	43	515436	327.234	ug/l 99
26) 2,2-Dichloropropane	7.16	77	343349	52.997	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	316563	54.913	ug/l 98
28) Bromochloromethane	7.51	49	222247	50.485	ug/l 95
29) Tetrahydrofuran	7.52	42	328661	329.266	ug/l 96
30) Chloroform	7.67	83	533231	56.562	ug/l 99
31) Cyclohexane	7.95	56	427583	43.144	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	437777	53.763	ug/l 99
36) 1,1-Dichloropropene	8.07	75	393784	52.970	ug/l 99
37) Ethyl Acetate	7.25	43	164072	49.884	ug/l 99
38) Carbon Tetrachloride	8.06	117	419503	56.077	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	401857	41.149	ug/l	99
40) Benzene	8.32	78	1139849	55.255	ug/l	98
41) Methacrylonitrile	7.48	41	116673	59.909	ug/l	93
42) 1,2-Dichloroethane	8.40	62	365574	61.152	ug/l	98
43) Isopropyl Acetate	8.42	43	378795	55.435	ug/l	97
44) Trichloroethene	9.09	130	346350	61.742	ug/l	99
45) 1,2-Dichloropropane	9.37	63	291839	56.739	ug/l	100
46) Dibromomethane	9.46	93	164744	62.273	ug/l	98
47) Bromodichloromethane	9.64	83	405540	57.956	ug/l	99
48) Methyl methacrylate	9.43	41	227724	68.158	ug/l	97
49) 1,4-Dioxane	9.45	88	56761	1269.333	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1151729	341.175	ug/l	100
52) Toluene	10.38	92	715926	52.574	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	407570	54.738	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	462058	54.683	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	229501	62.543	ug/l	98
56) Ethyl methacrylate	10.65	69	269076	52.332	ug/l	99
57) 1,3-Dichloropropane	10.93	76	400355	60.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	759253	303.918	ug/l	98
59) 2-Hexanone	10.97	43	818761	343.561	ug/l	99
60) Dibromochloromethane	11.13	129	278453	59.050	ug/l	100
61) 1,2-Dibromoethane	11.23	107	220406	60.577	ug/l	99
64) Tetrachloroethene	10.86	164	454556	99.593	ug/l	99
65) Chlorobenzene	11.66	112	758295	55.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	299831	60.899	ug/l	99
67) Ethyl Benzene	11.73	91	1350713	53.399	ug/l	98
68) m/p-Xylenes	11.84	106	1031025	105.053	ug/l	99
69) o-Xylene	12.16	106	502915	53.931	ug/l	98
70) Styrene	12.18	104	786629	51.070	ug/l	98
71) Bromoform	12.35	173	171062	61.753	ug/l	98
73) Isopropylbenzene	12.46	105	1312112	62.498	ug/l	99
74) N-amyl acetate	12.27	43	285885	52.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	233852	70.356	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	188057m	76.809	ug/l	
77) Bromobenzene	12.75	156	302624	66.003	ug/l	95
78) n-propylbenzene	12.80	91	1472118	58.381	ug/l	99
79) 2-Chlorotoluene	12.90	91	858719	60.350	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	1048699	59.762	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	90073	72.661	ug/l	96
82) 4-Chlorotoluene	12.99	91	846666	55.888	ug/l	97
83) tert-Butylbenzene	13.21	119	913886	58.524	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1060843	59.478	ug/l	99
85) sec-Butylbenzene	13.38	105	1198914	53.760	ug/l	100
86) p-Isopropyltoluene	13.50	119	1081895	55.384	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	520721	56.235	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	509470	55.363	ug/l	99
89) n-Butylbenzene	13.83	91	847851	44.205	ug/l	99
90) Hexachloroethane	14.10	117	206544	54.066	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	473210	57.756	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	46366	73.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	210284	35.966	ug/l	100
94) Hexachlorobutadiene	15.24	225	94799	26.904	ug/l	99
95) Naphthalene	15.37	128	553278	53.894	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	177379	35.764	ug/l	100

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

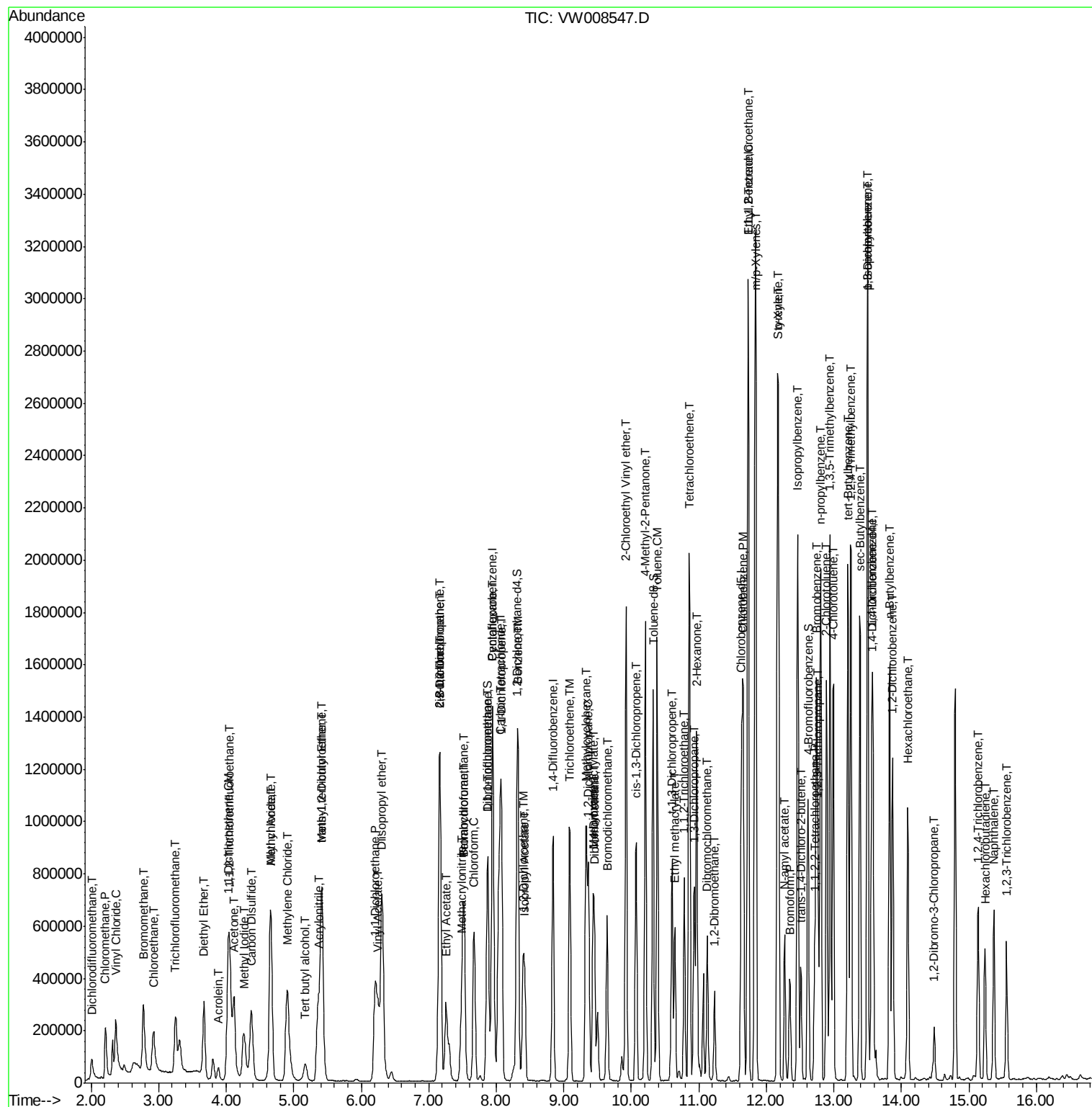
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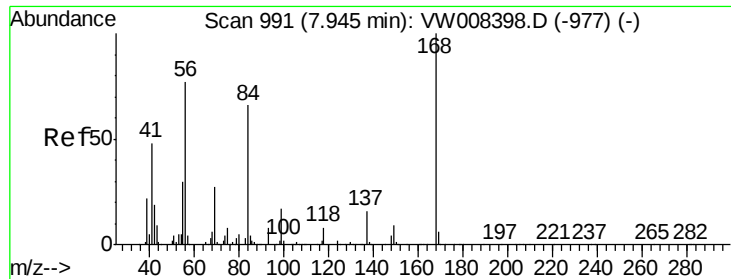
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion:168 Resp: 514029

Ion Ratio Lower Upper

168 100

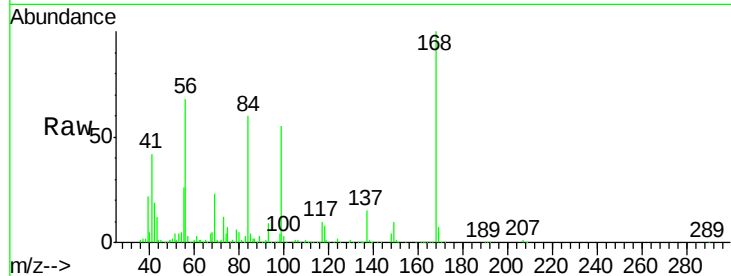
99 55.1 45.5 68.3

Manual Integrations

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2/11/2019 12:38:38 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

150000

100000

50000

0

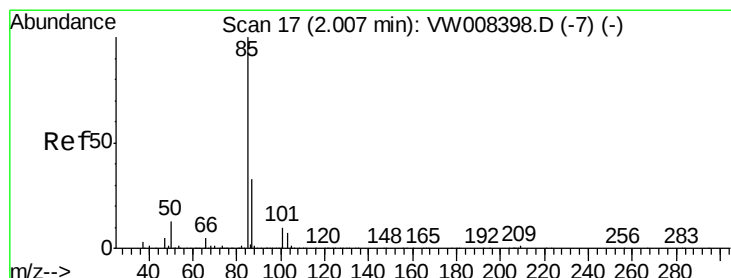
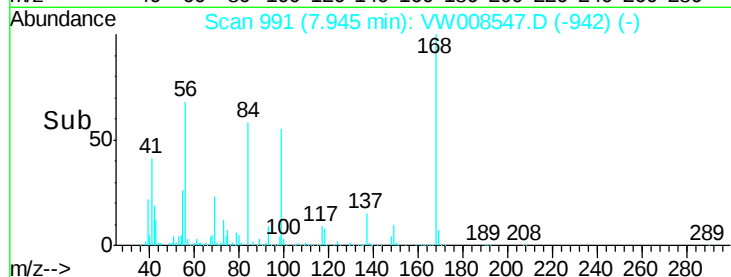
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.318 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008547.D

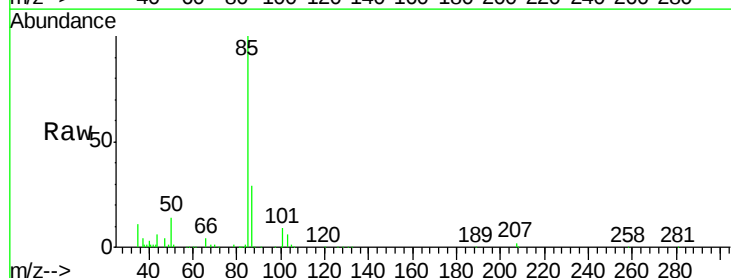
Acq: 07 Feb 2019 12:48

Tgt Ion: 85 Resp: 133651

Ion Ratio Lower Upper

85 100

87 29.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

30000

20000

10000

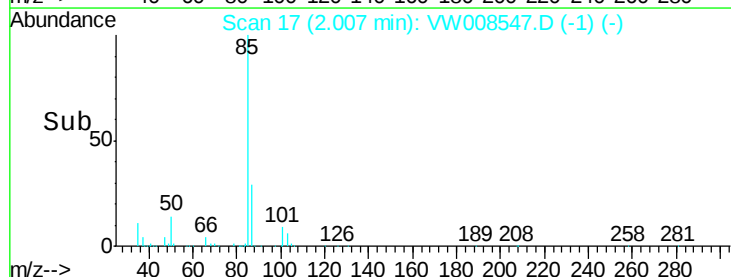
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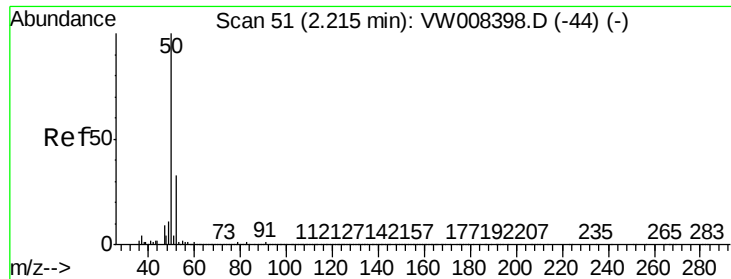
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 48.305 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 50 Resp: 202681

Ion Ratio Lower Upper

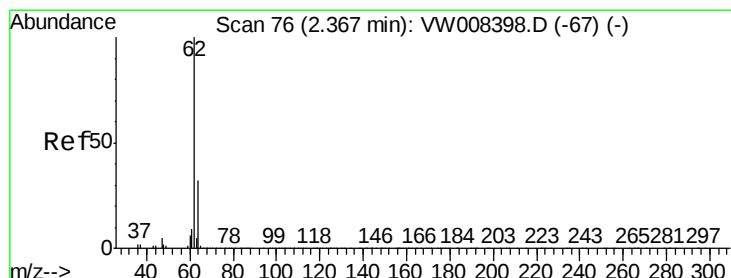
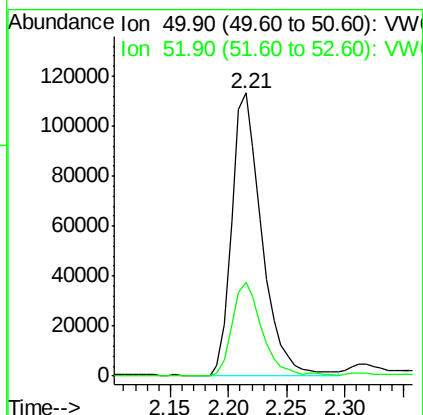
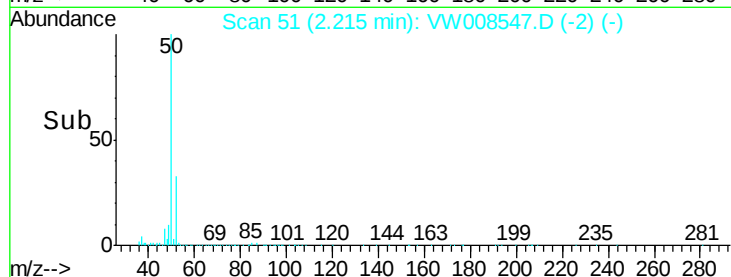
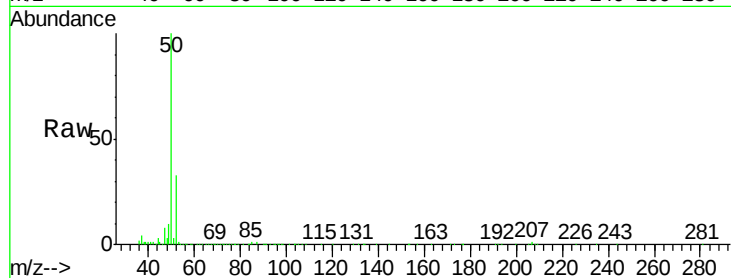
50 100

52 33.2 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 52.698 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008547.D

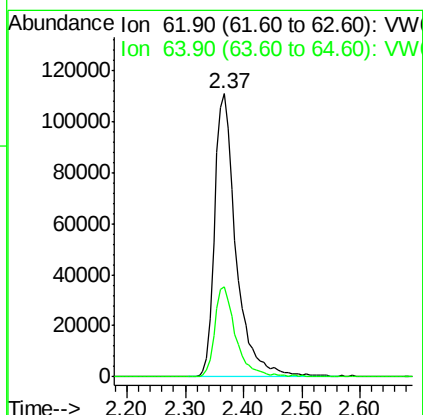
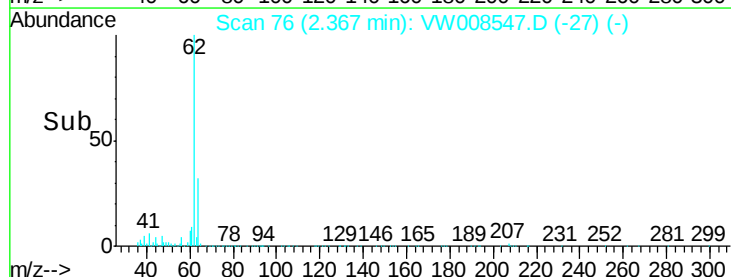
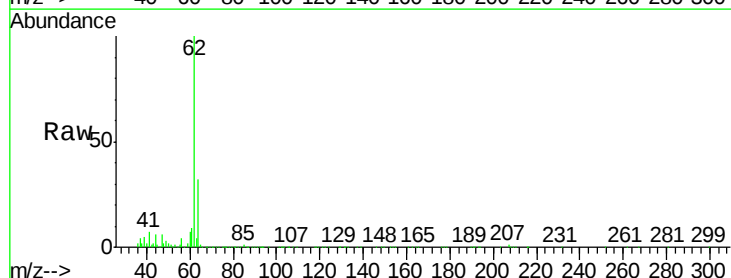
Acq: 07 Feb 2019 12:48

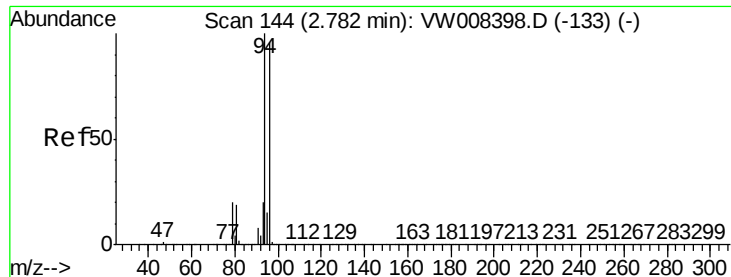
Tgt Ion: 62 Resp: 281476

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 66.112 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

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Tot Ion: 94 Resp: 227766

Ion Ratio Lower Upper

94 100

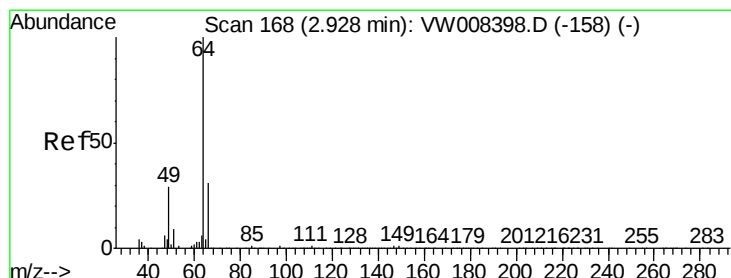
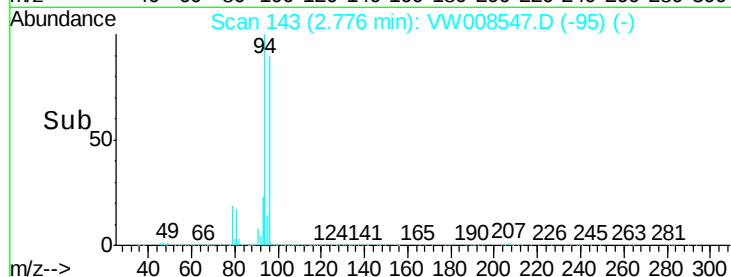
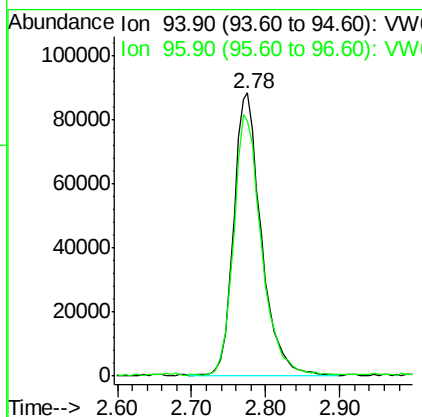
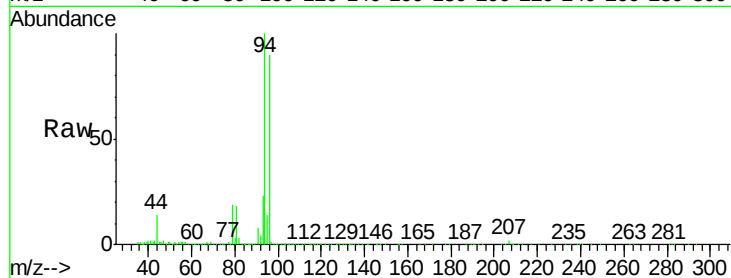
96 89.9 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 66.909 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008547.D

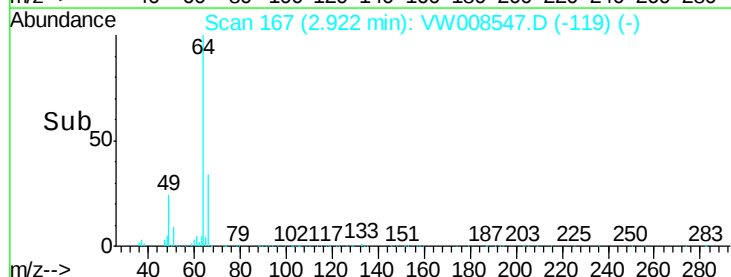
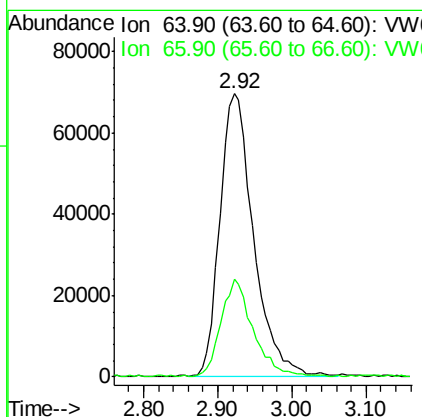
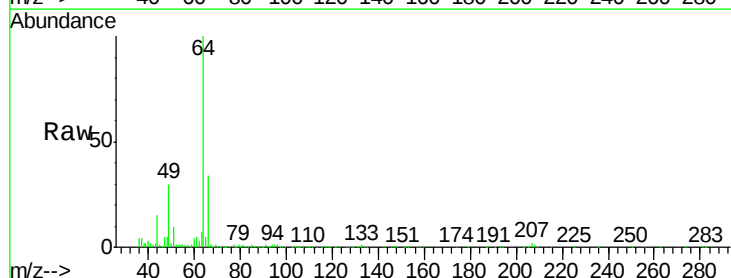
Acq: 07 Feb 2019 12:48

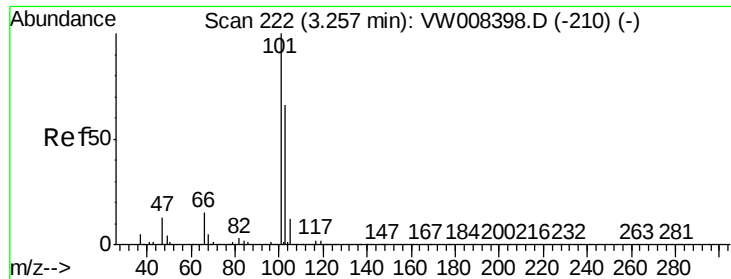
Tgt Ion: 64 Resp: 218564

Ion Ratio Lower Upper

64 100

66 34.3 24.9 37.3





#7

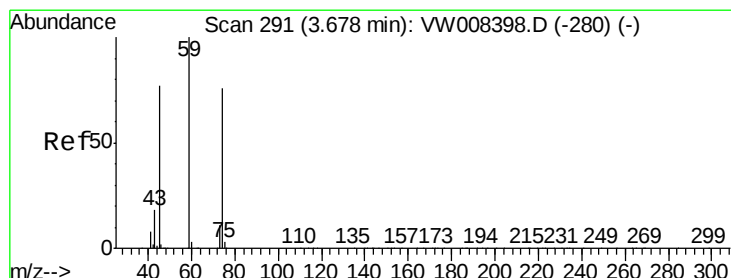
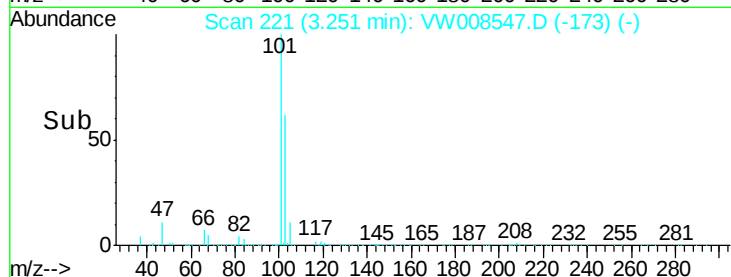
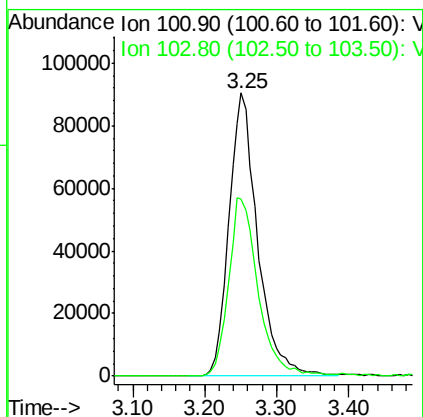
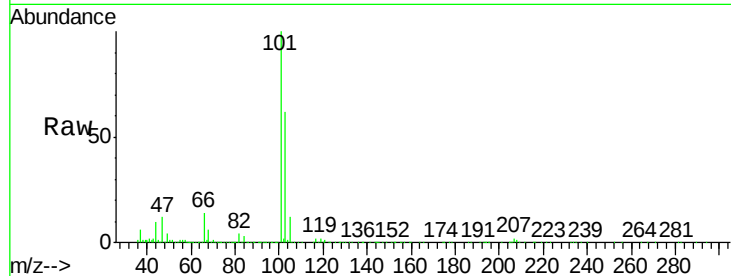
Trichlorofluoromethane
Concen: 53.444 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008547.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	249956		
103	62.2	52.5	78.7	

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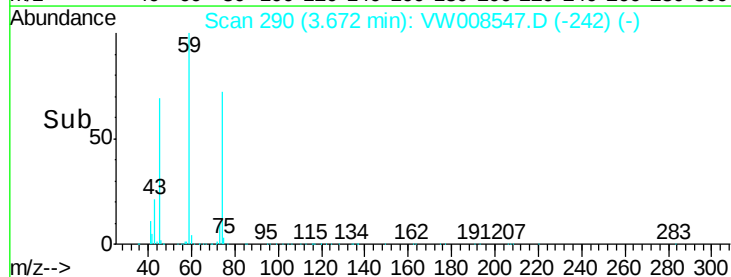
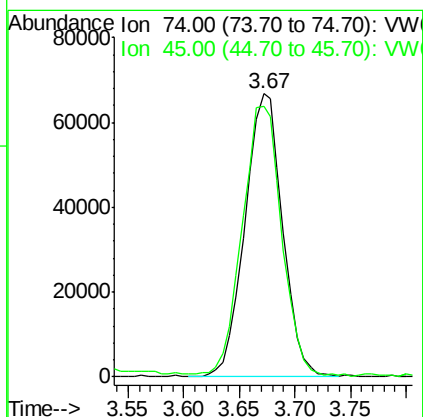
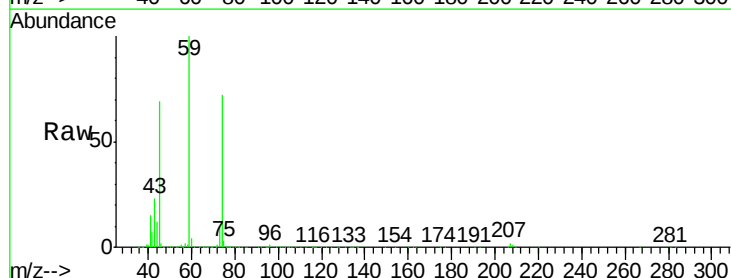
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#8

Diethyl Ether
Concen: 60.655 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008547.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	155487		
45	100.9	51.7	155.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.653 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008547.D

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Instrument :

MSVOA_W

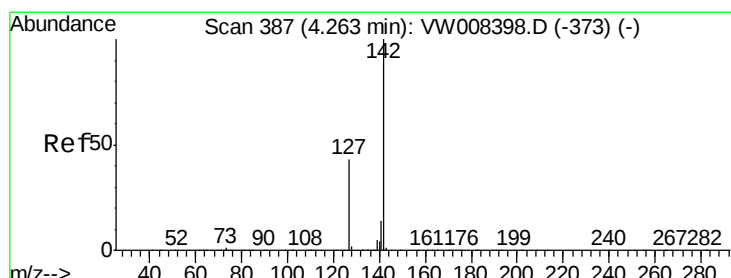
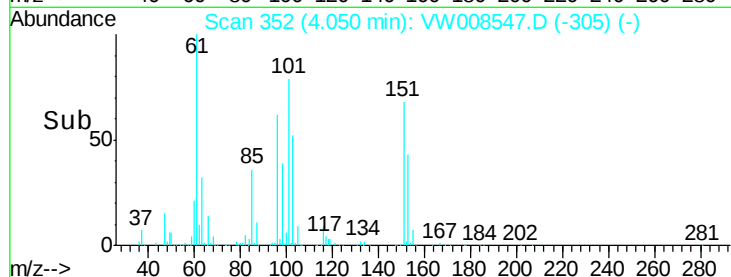
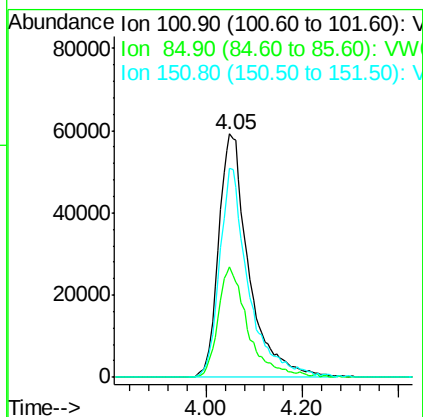
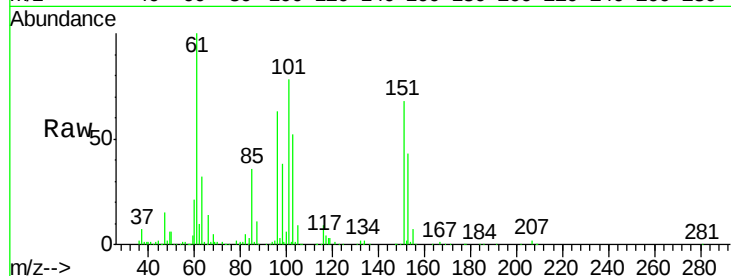
ClientSampled :

98-SB-01-2-4MS

Tot Ion:	101	Resp:	258740
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.0	52.4
151	82.3	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 55.770 ug/l

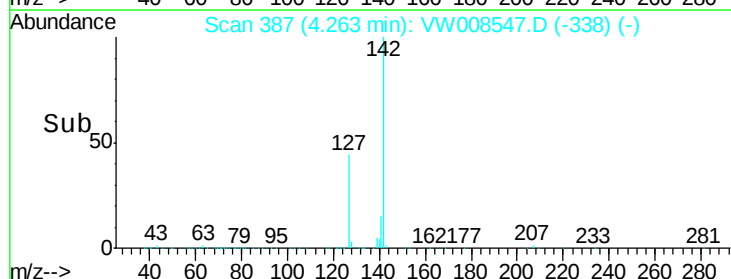
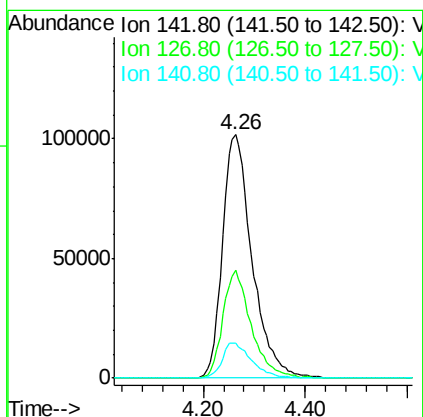
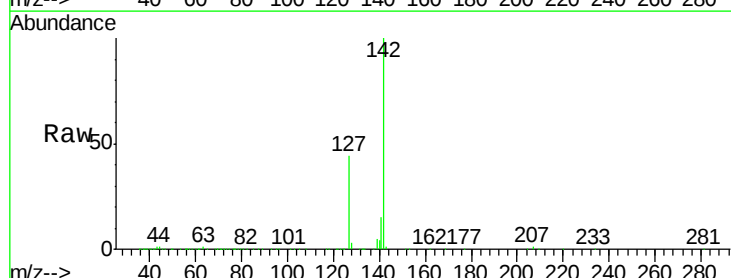
RT: 4.26 min Scan# 387

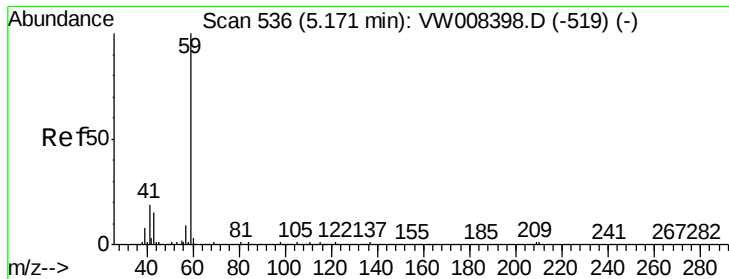
Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion:	142	Resp:	409542
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	52.0
141	14.5	11.4	17.2





#11

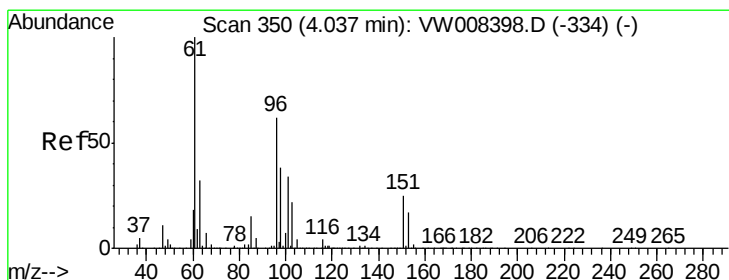
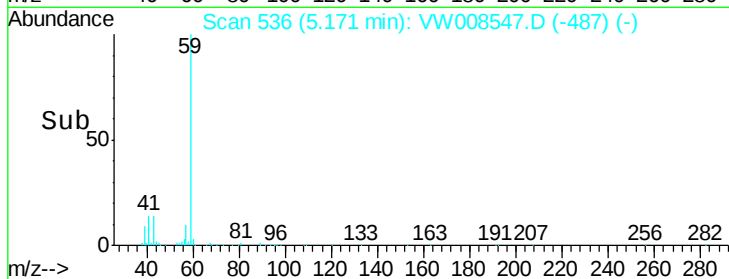
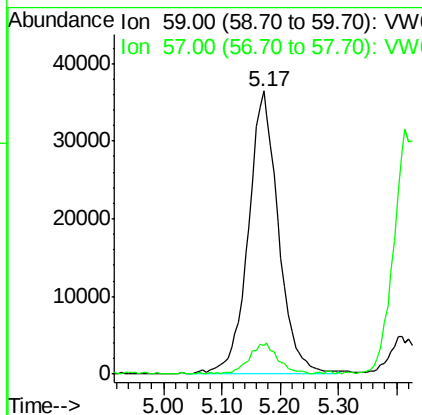
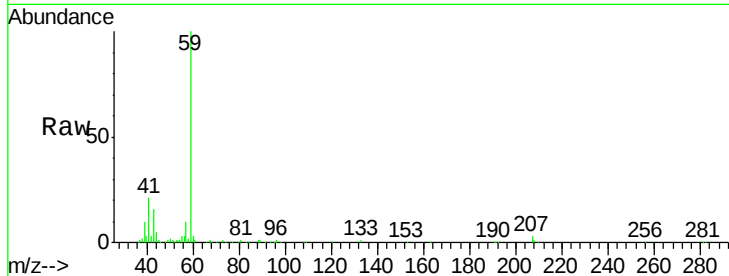
Tert butyl alcohol
Concen: 322.446 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	9.3	13.9

Manual Integrations
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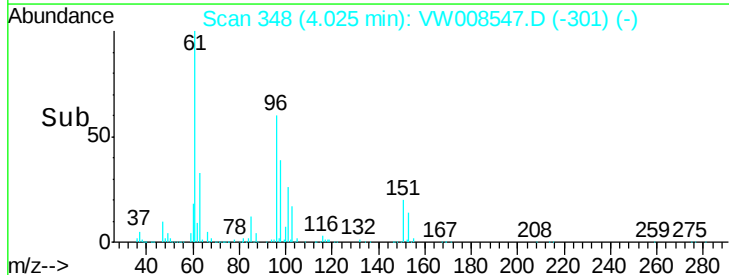
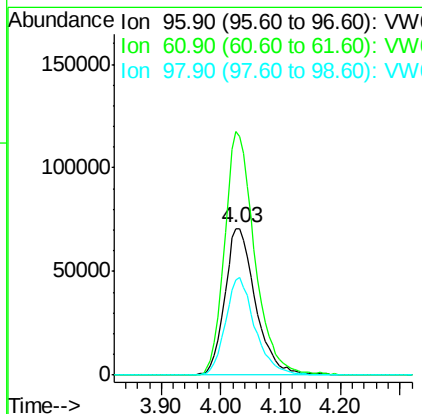
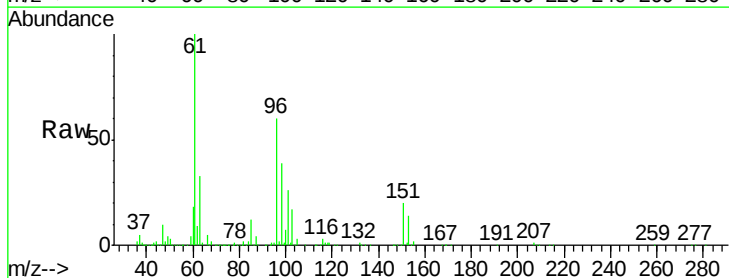
MMDadoda
2/11/2019 12:38:38 PM

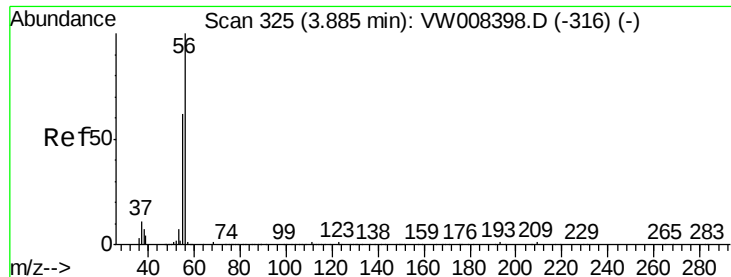


#12

1,1-Dichloroethene
Concen: 53.443 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	129.5	194.3
98	65.1	48.6	73.0





#13

Acrolein

Concen: 149.915 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 56 Resp: 53165

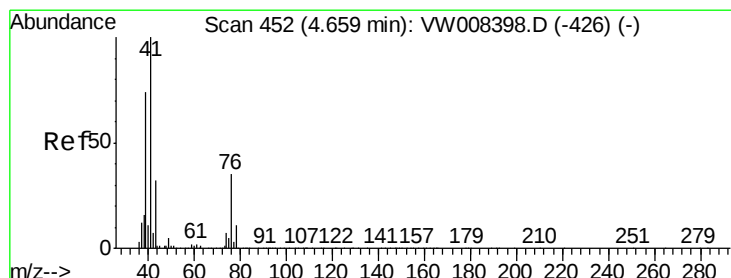
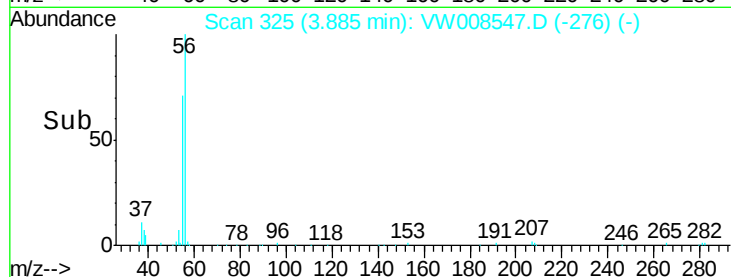
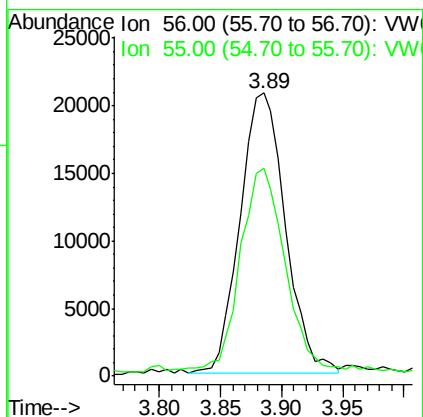
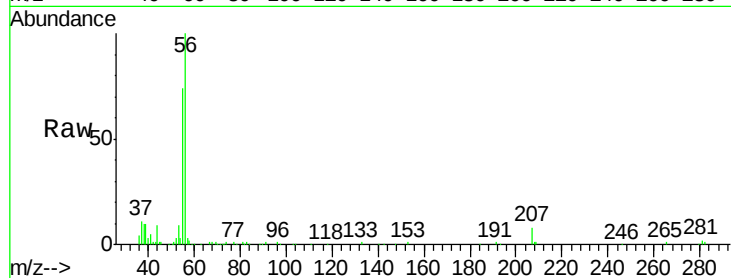
Ion Ratio Lower Upper

56 100

55 69.3 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 50.255 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

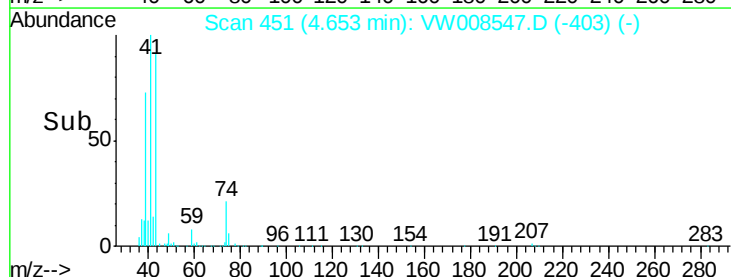
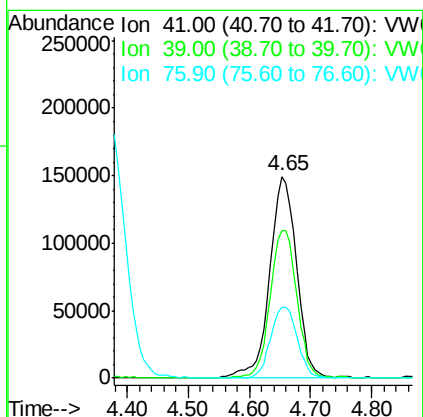
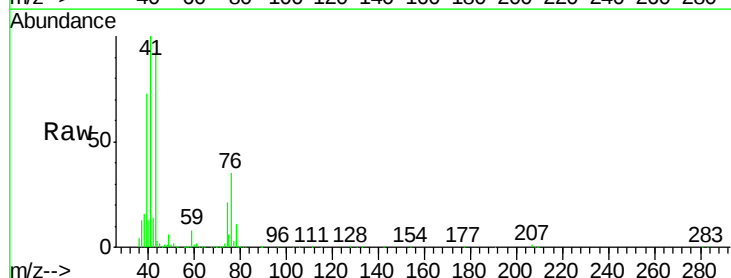
Tgt Ion: 41 Resp: 448994

Ion Ratio Lower Upper

41 100

39 72.8 57.7 86.5

76 35.0 26.9 40.3





#15

Acrylonitrile

Concen: 326.581 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

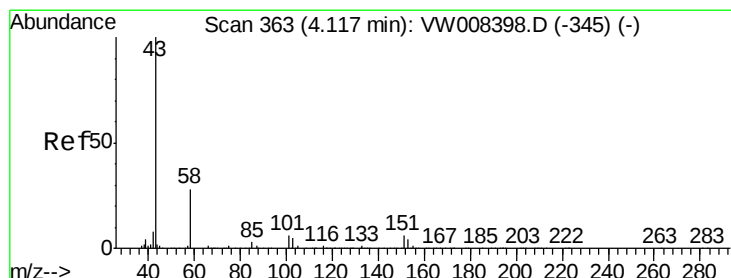
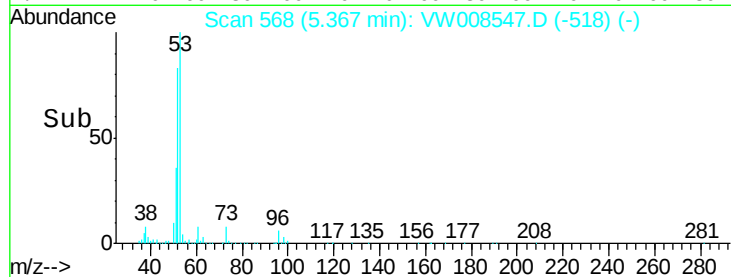
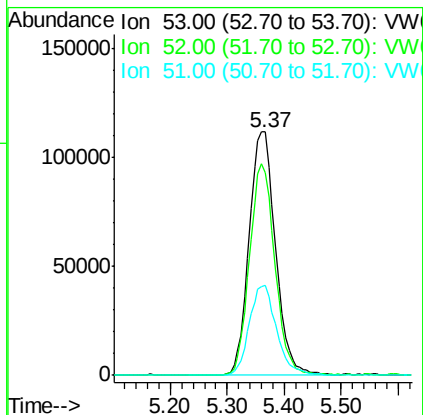
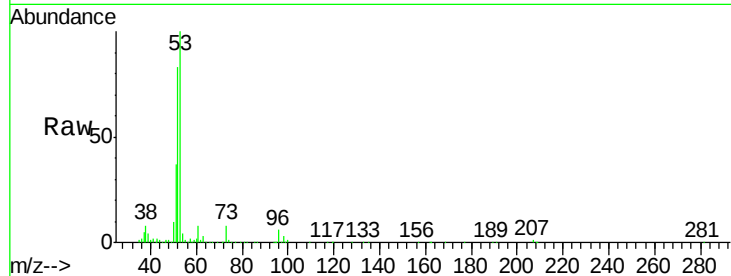
ClientSampleId :

98-SB-01-2-4MS

Tot Ion:	53	Resp:	361499
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.0	100.4
51	38.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 370.539 ug/l

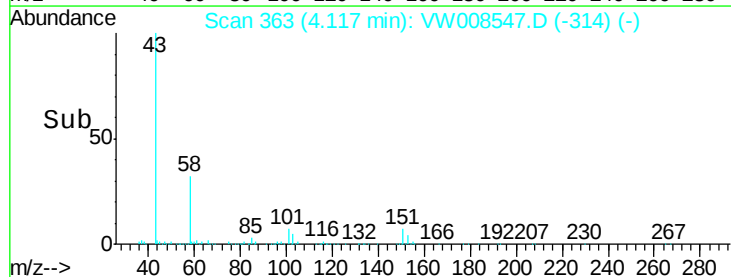
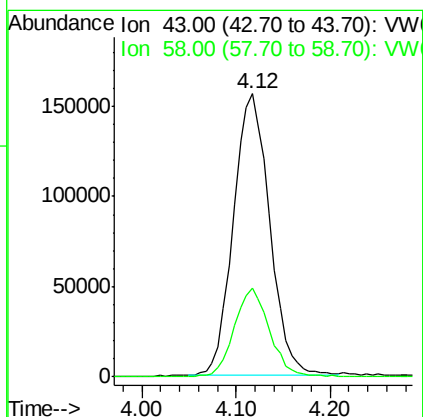
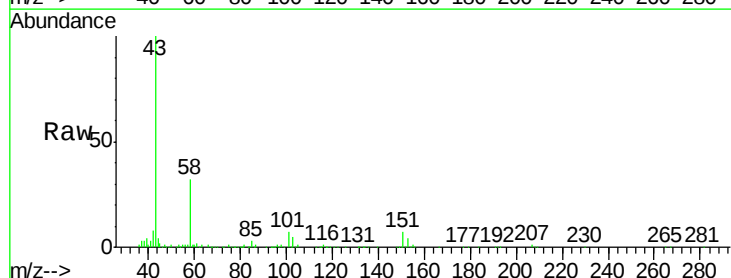
RT: 4.12 min Scan# 363

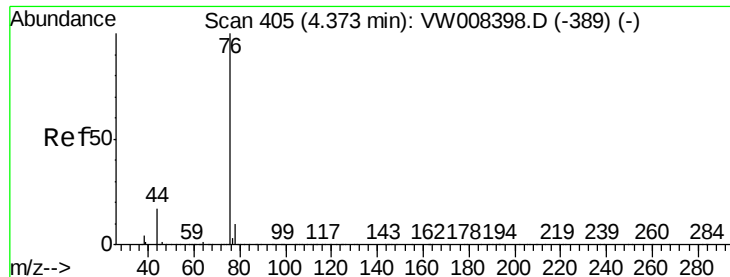
Delta R.T. -0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion:	43	Resp:	420198
Ion Ratio	Lower	Upper	
43	100		
58	31.6	22.6	34.0





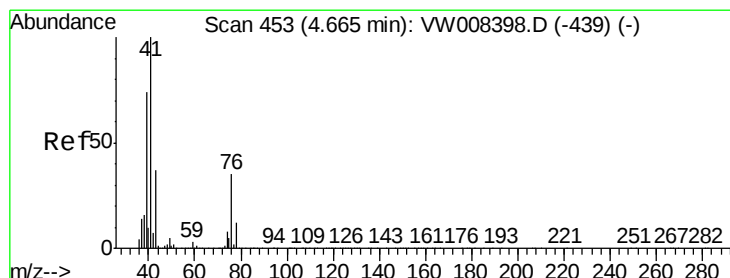
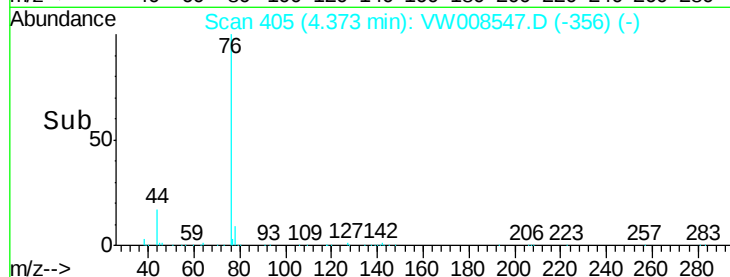
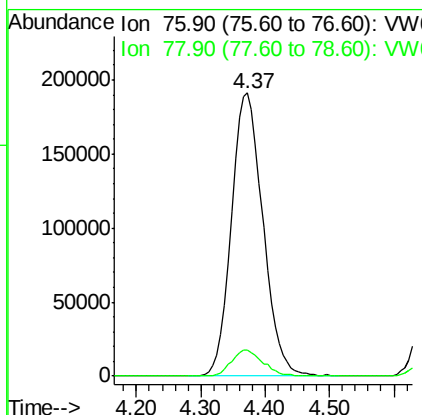
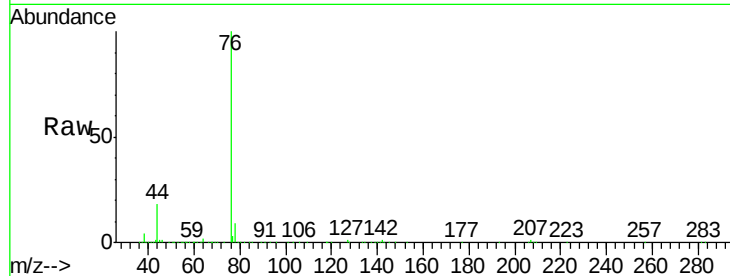
#17
Carbon Disulfide
Concen: 43.295 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.7	11.5

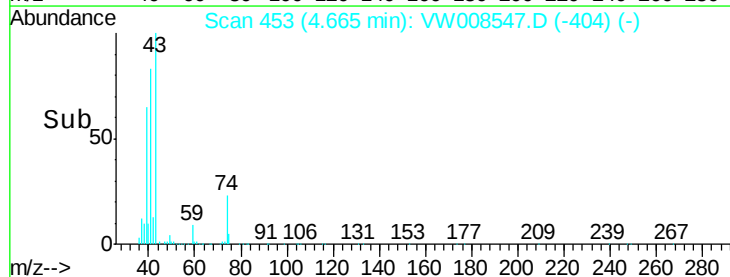
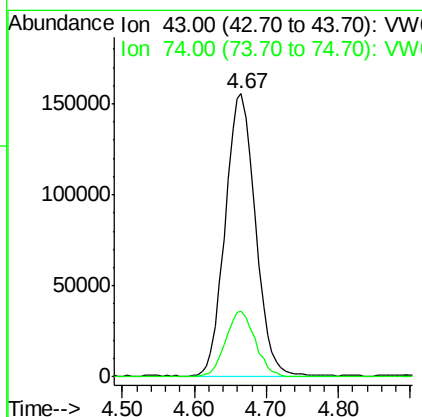
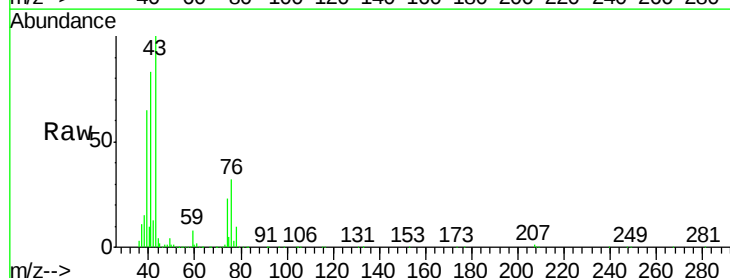
Manual Integrations
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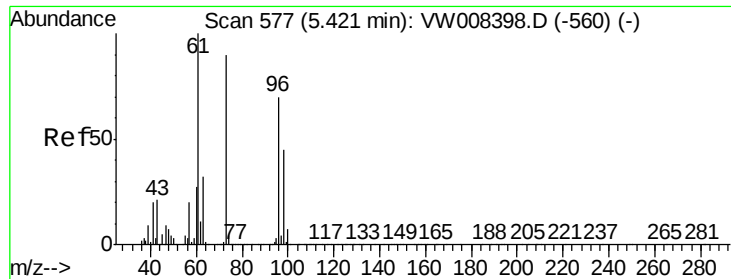
MMDadoda
2/11/2019 12:38:38 PM



#18
Methyl Acetate
Concen: 149.571 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.5	26.3





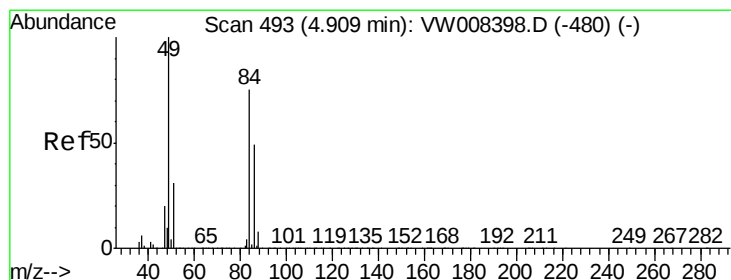
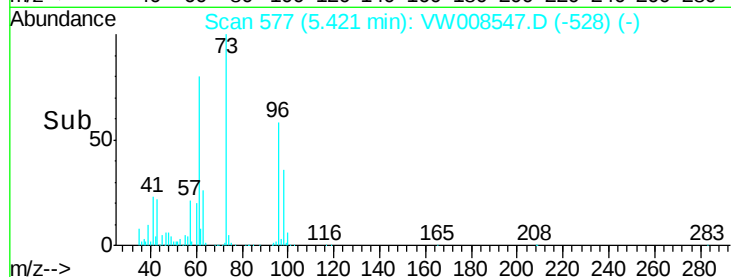
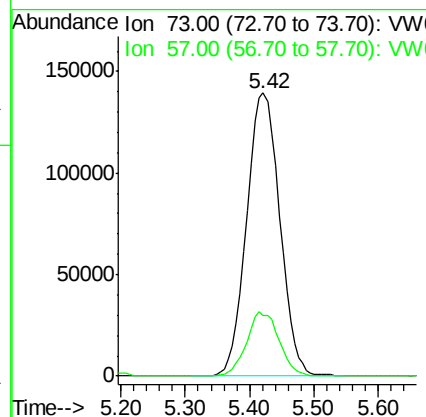
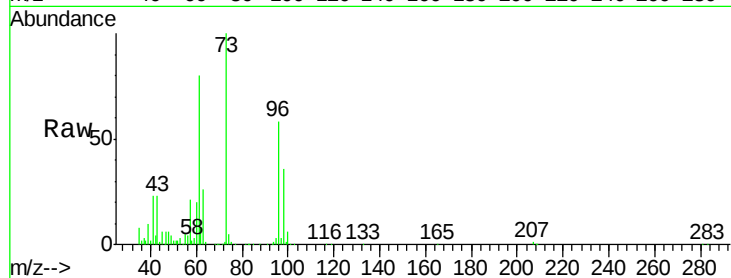
#19
Methvl tert-butvl Ether
Concen: 63.651 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.0	27.0

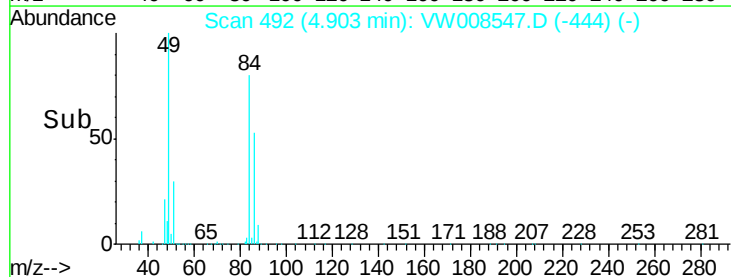
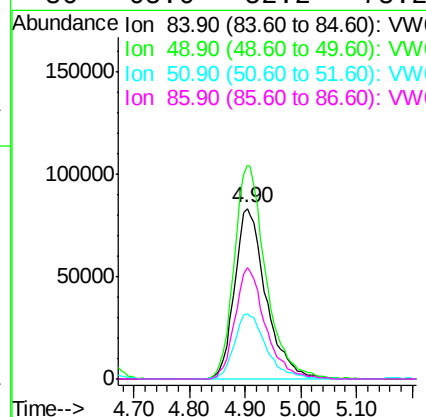
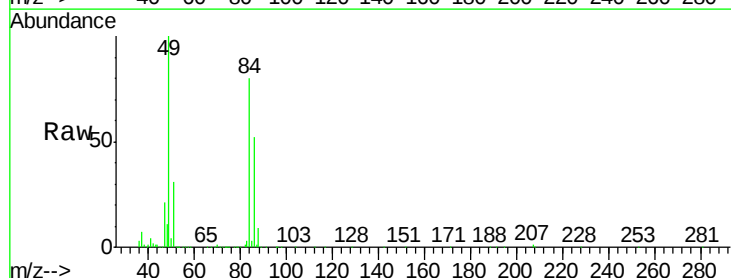
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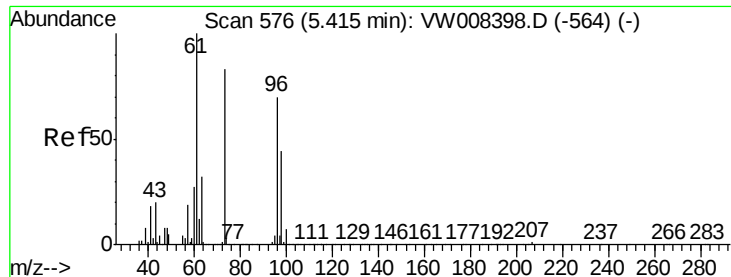
MMDadoda
2/11/2019 12:38:38 PM



#20
Methylene Chloride
Concen: 62.290 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	106.8	160.2
51	38.2	32.9	49.3
86	65.6	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 51.645 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

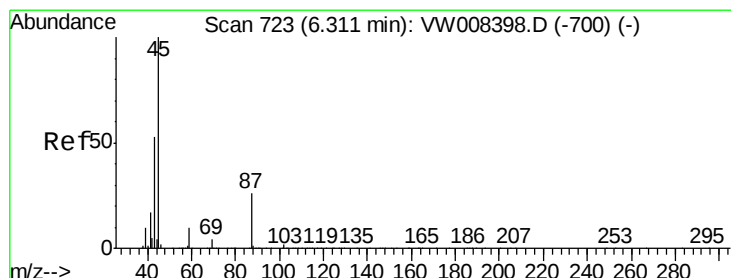
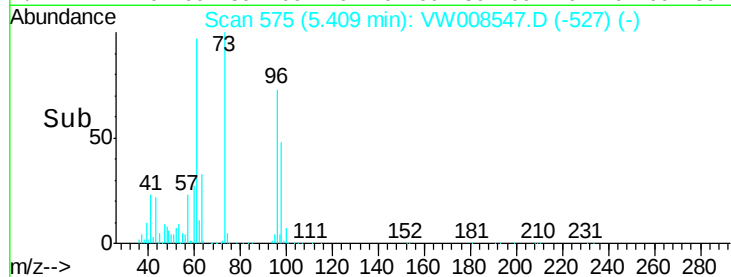
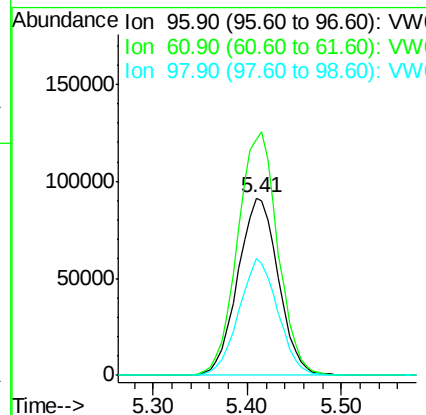
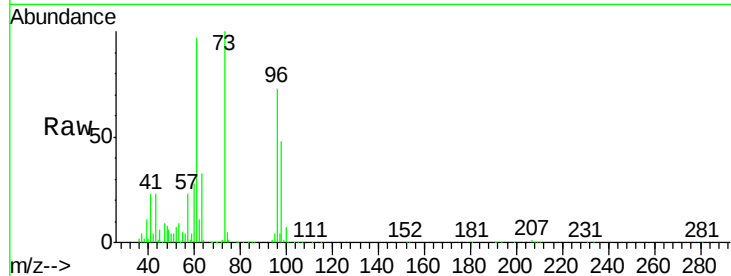
ClientSampleId :

98-SB-01-2-4MS

Tot Ion:	96	Resp:	273182
Ion Ratio	Lower	Upper	
96	100		
61	133.1	114.4	171.6
98	65.6	50.6	75.8

Manual Integrations
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2/11/2019 12:38:38 PM



#22

Diisopropyl ether

Concen: 53.123 ug/l

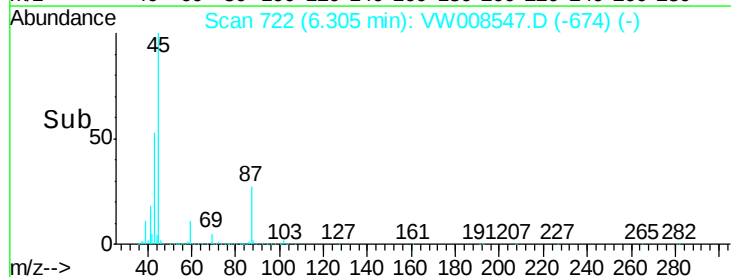
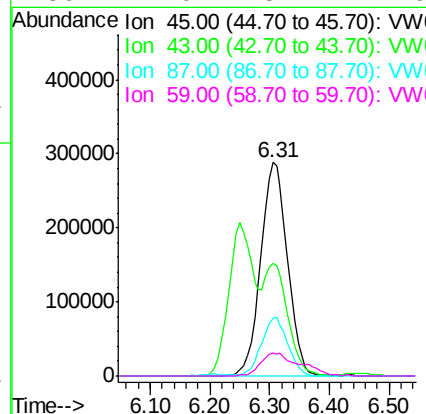
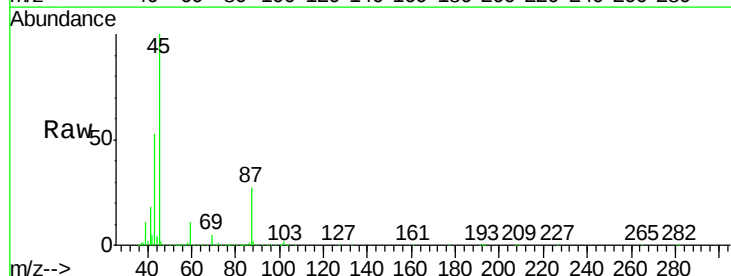
RT: 6.31 min Scan# 722

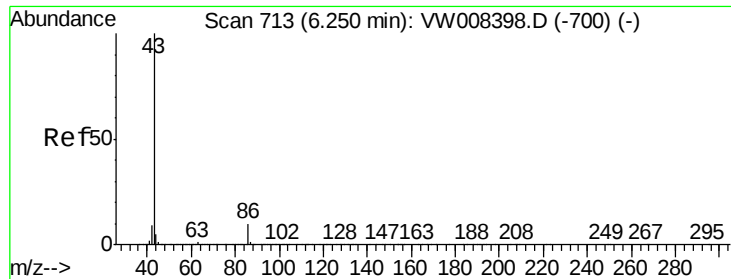
Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion:	45	Resp:	899520
Ion Ratio	Lower	Upper	
45	100		
43	52.8	42.6	63.8
87	26.8	20.3	30.5
59	11.0	8.4	12.6





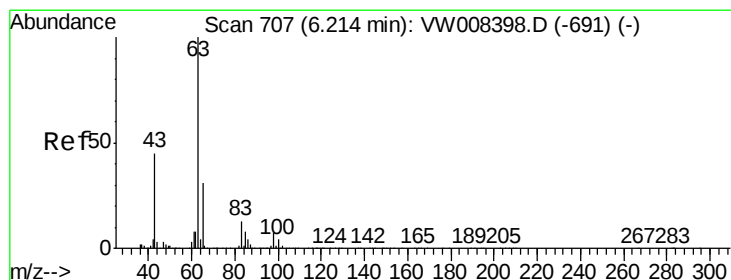
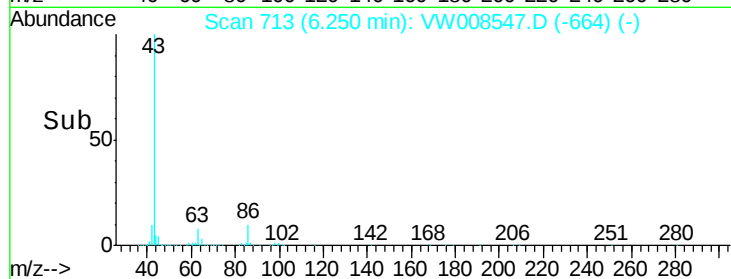
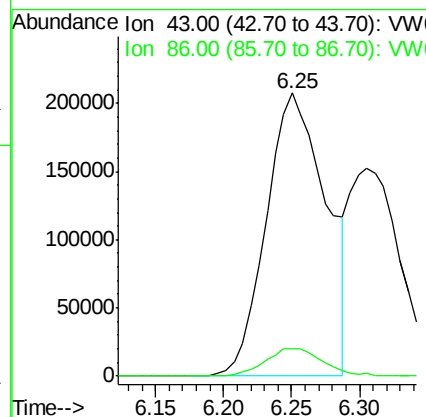
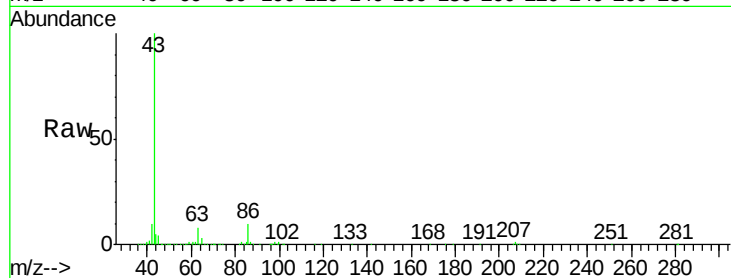
#23
 Vinyl Acetate
 Concen: 63.629 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

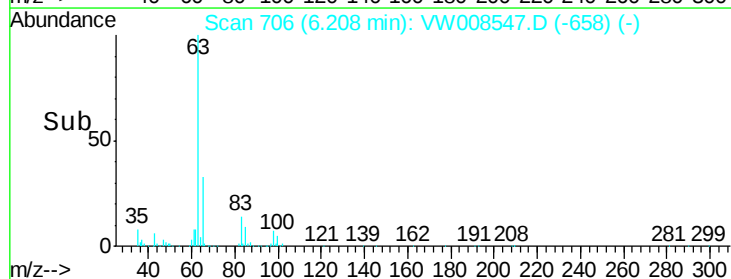
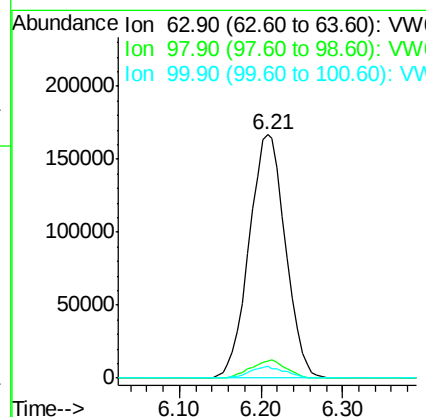
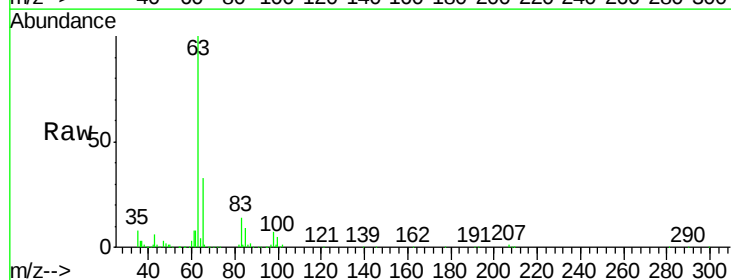
Manual Integrations
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 2/11/2019 12:38:38 PM



#24
 1,1-Dichloroethane
 Concen: 53.901 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	5.1	2.1	6.2





#25

2-Butanone

Concen: 327.234 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 43 Resp: 515436

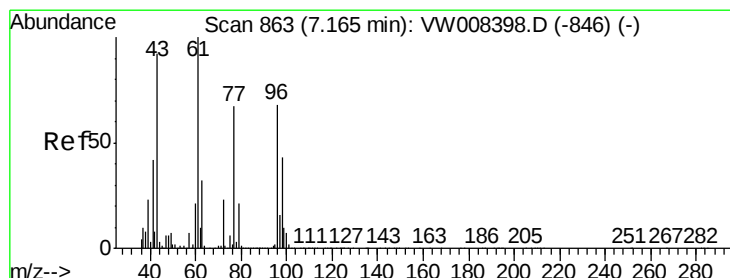
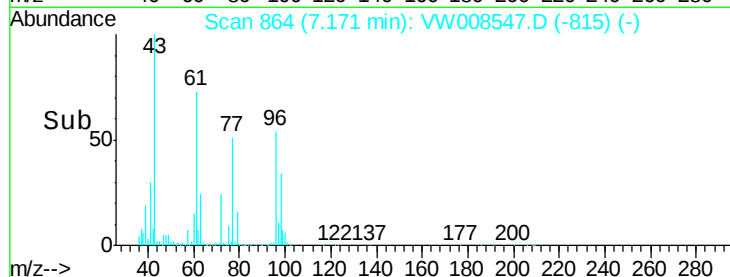
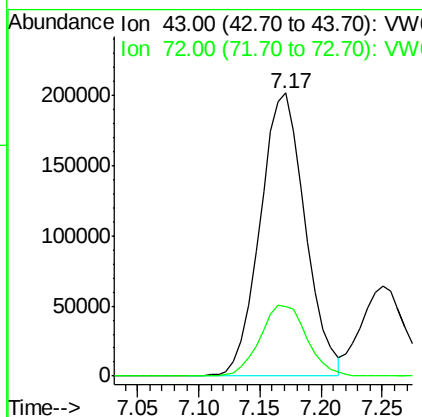
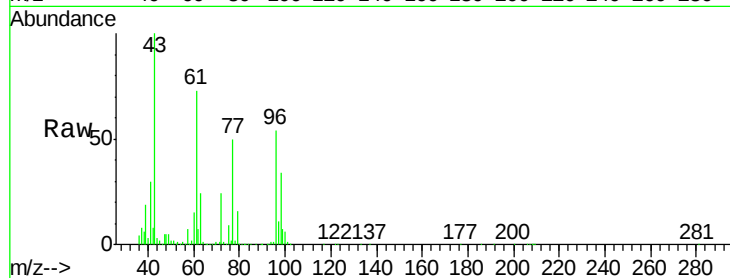
Ion Ratio Lower Upper

43 100

72 24.5 20.1 30.1

Manual Integrations
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MMDadoda
2/11/2019 12:38:38 PM



#26

2,2-Dichloropropane

Concen: 52.997 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008547.D

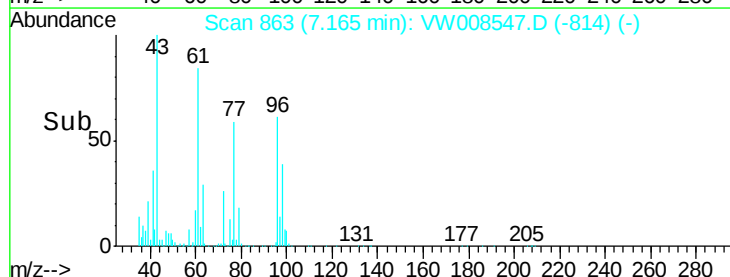
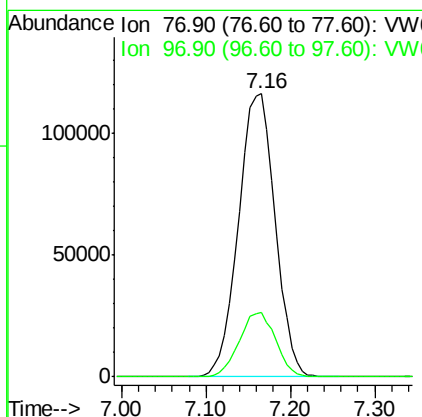
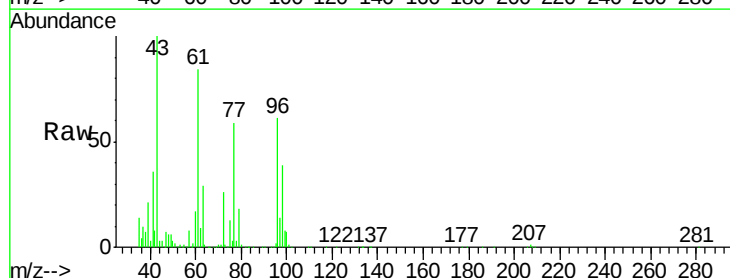
Acq: 07 Feb 2019 12:48

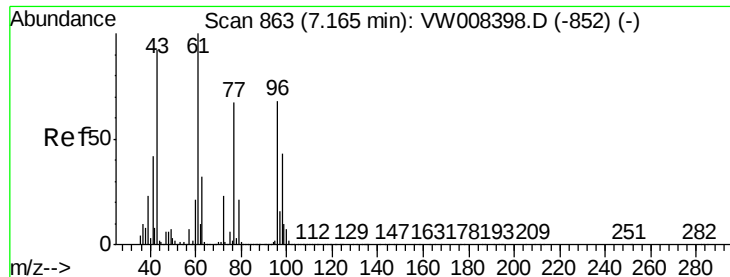
Tgt Ion: 77 Resp: 343349

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5





#27

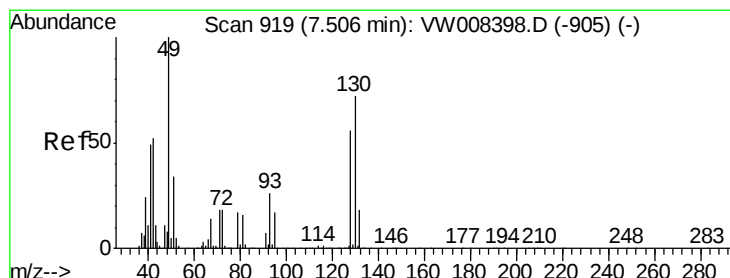
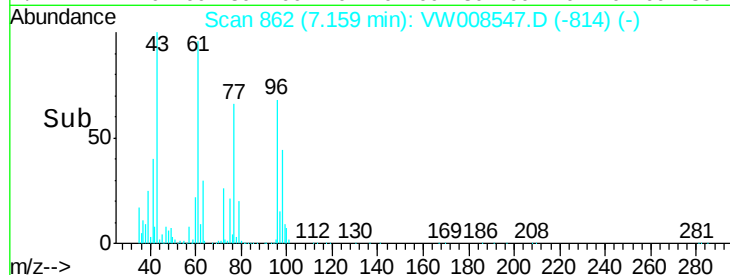
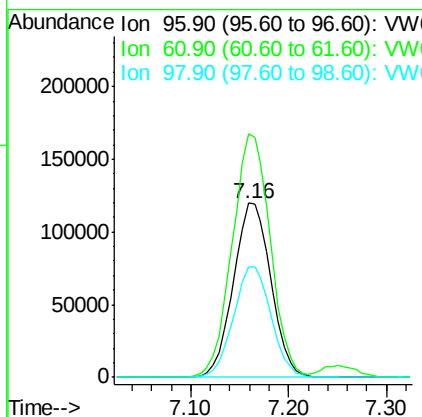
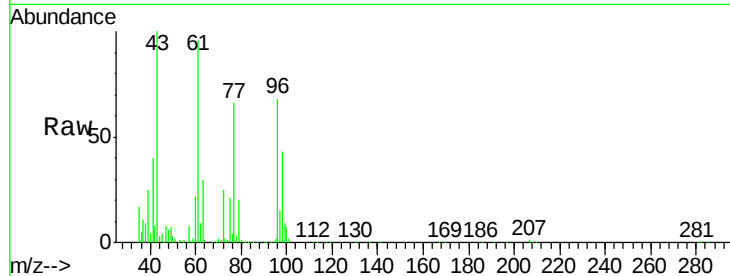
cis-1,2-Dichloroethene
Concen: 54.913 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	316563		
61	142.5	0.0	292.8	
98	63.9	0.0	129.2	

Manual Integrations
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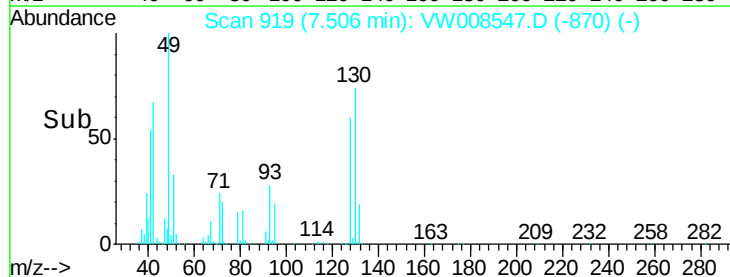
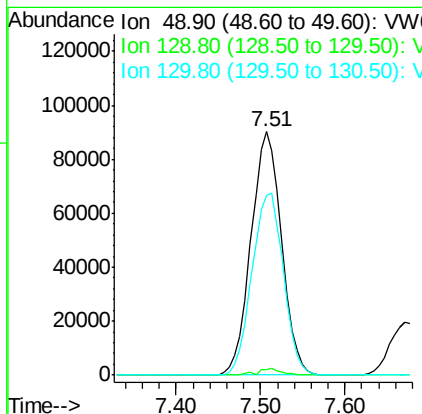
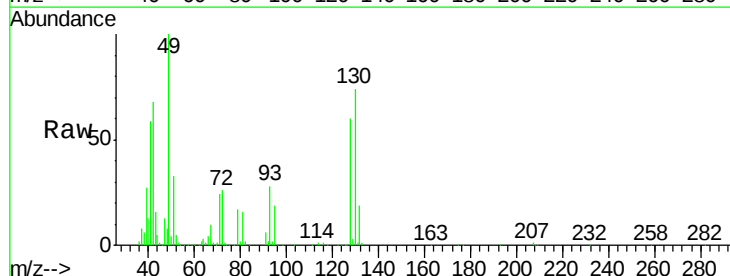
MMDadoda
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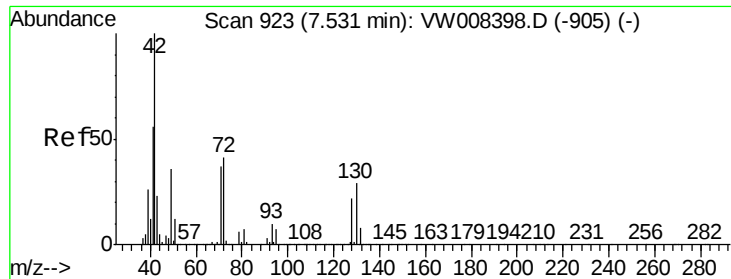


#28

Bromochloromethane
Concen: 50.485 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	222247		
129	2.2	0.0	4.6	
130	77.4	58.6	87.8	





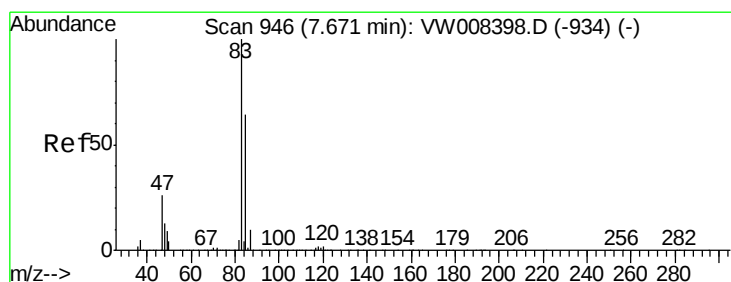
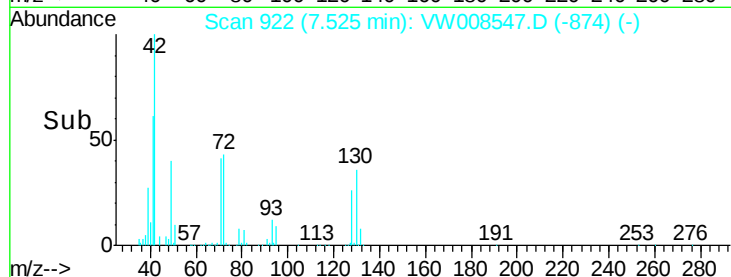
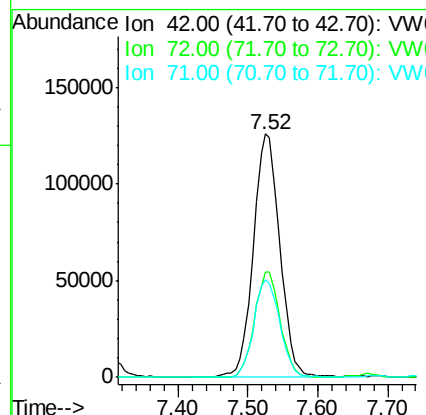
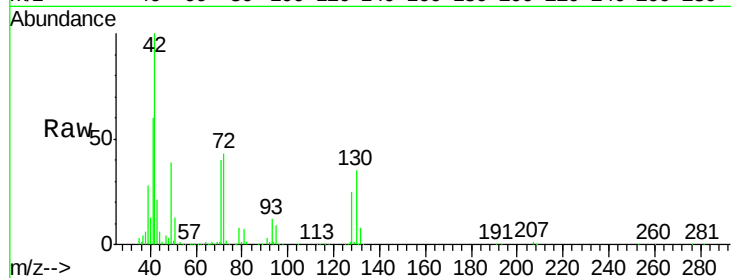
#29
Tetrahydrofuran
Concen: 329.266 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	31.9	47.9
71	39.7	29.9	44.9

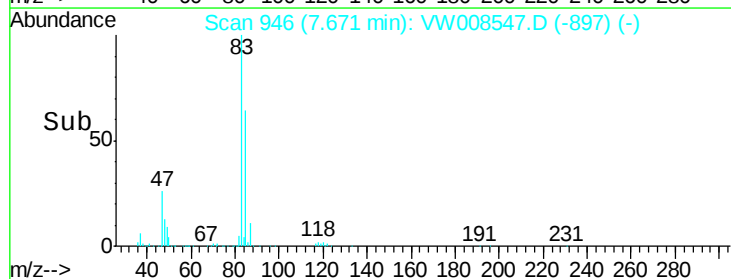
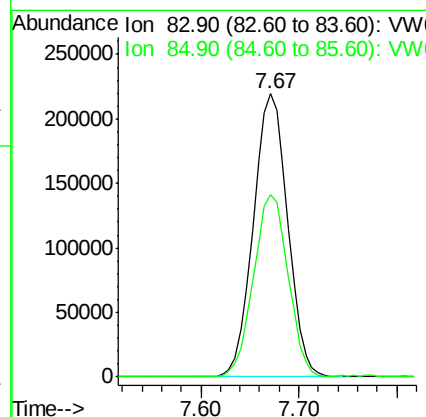
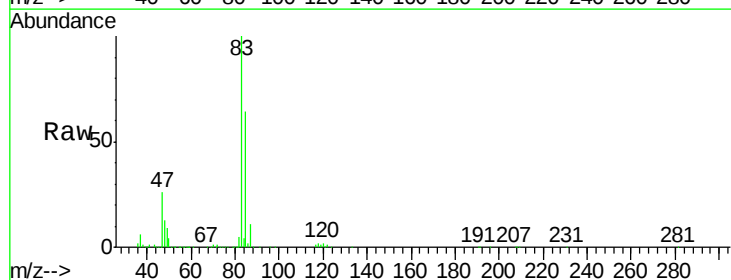
Manual Integrations
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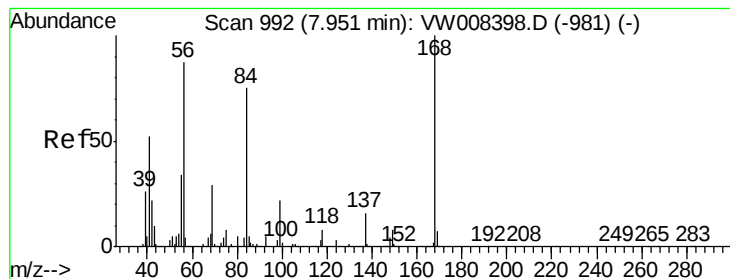
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2/11/2019 12:38:38 PM



#30
Chloroform
Concen: 56.562 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3





#31

Cyclohexane

Concen: 43.144 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

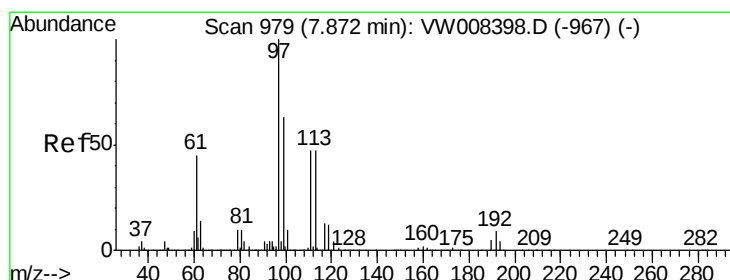
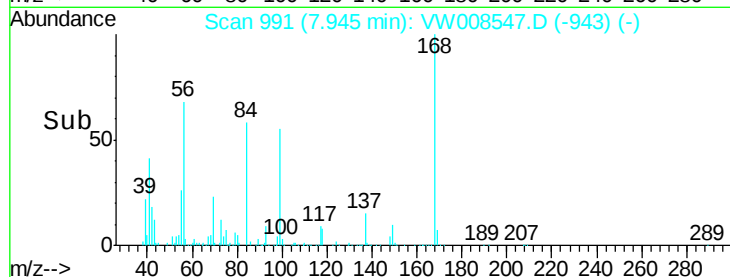
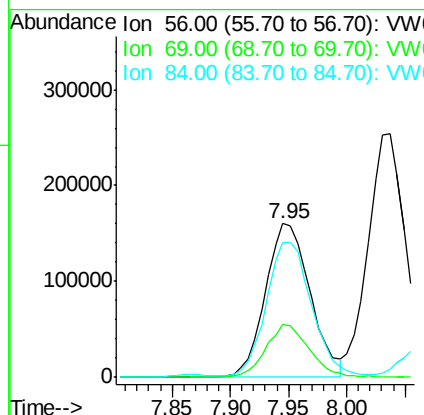
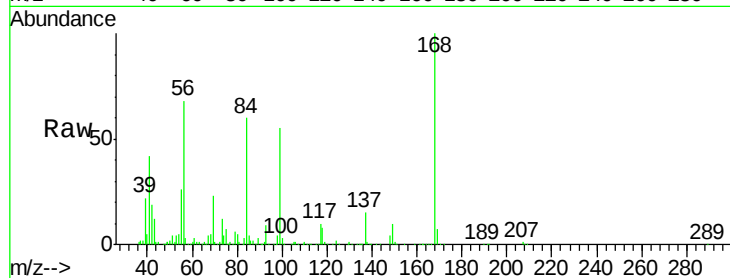
ClientSampleId :

98-SB-01-2-4MS

Tot Ion:	56	Resp:	427583
Ion Ratio	Lower	Upper	
56	100		
69	34.2	26.4	39.6
84	85.4	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.763 ug/l

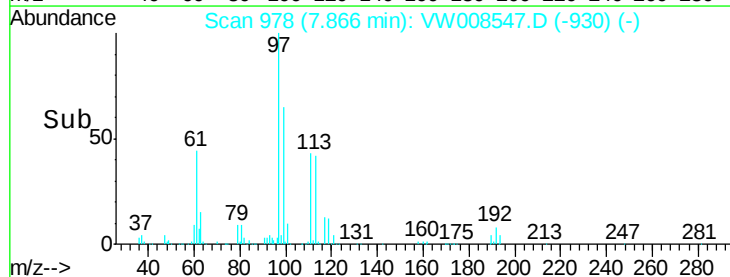
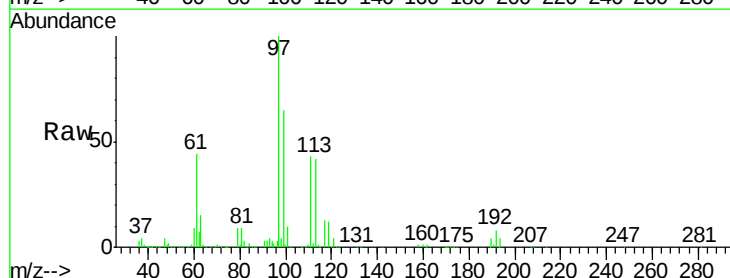
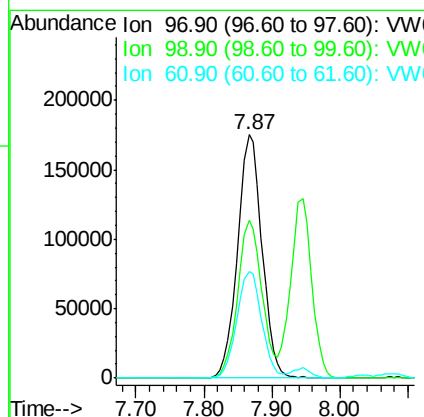
RT: 7.87 min Scan# 978

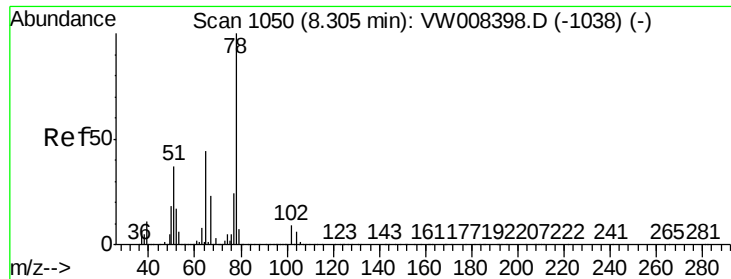
Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion:	97	Resp:	437777
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.3	76.9
61	44.3	36.2	54.4





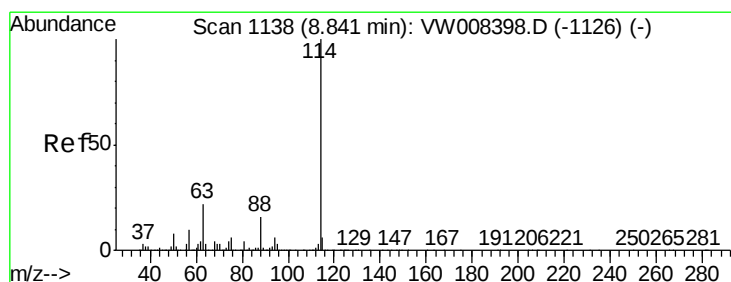
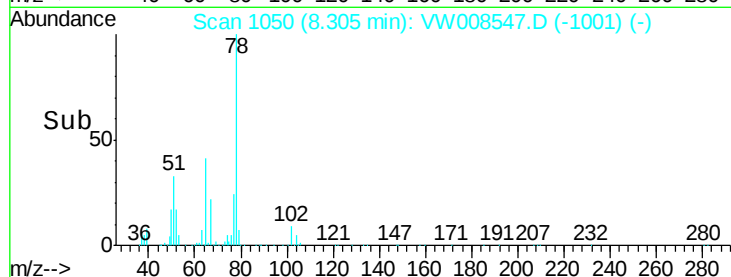
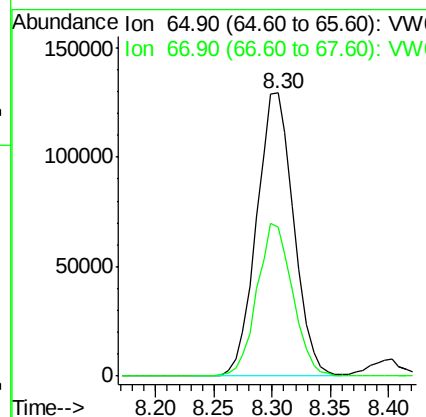
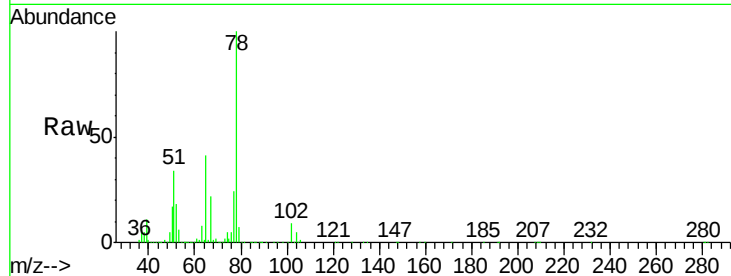
#33
 1,2-Dichloroethane-d4
 Concen: 56.756 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	286611		
67	52.2	0.0	104.0	

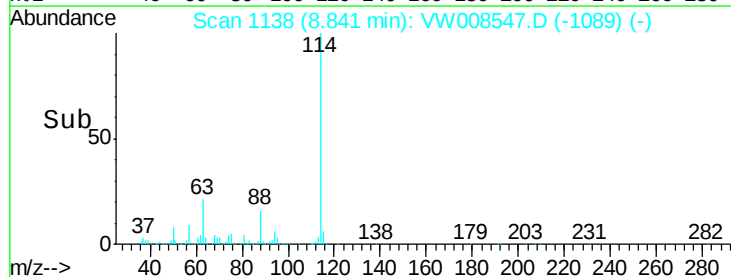
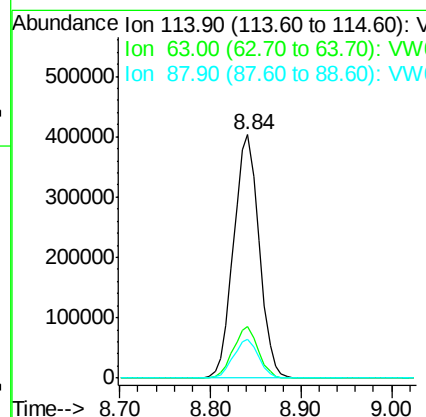
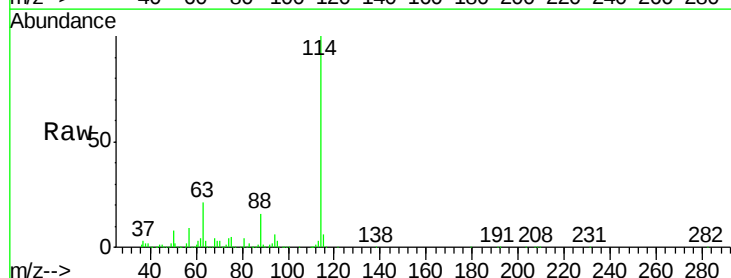
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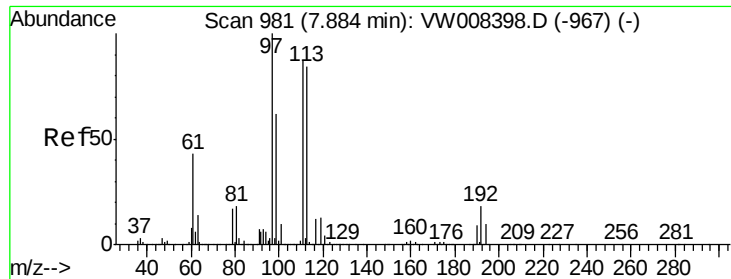
MMDadoda
 2/11/2019 12:38:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	787002		
63	21.0	0.0	43.6	
88	15.9	0.0	31.8	





#35

Dibromofluoromethane

Concen: 56.763 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

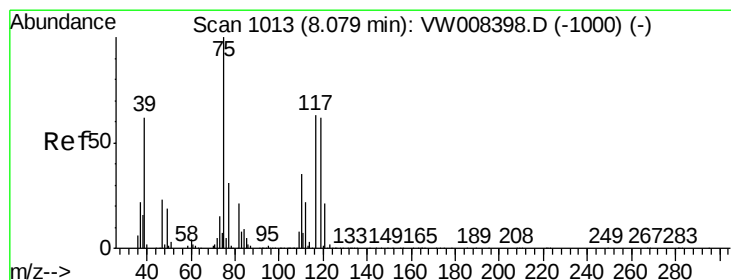
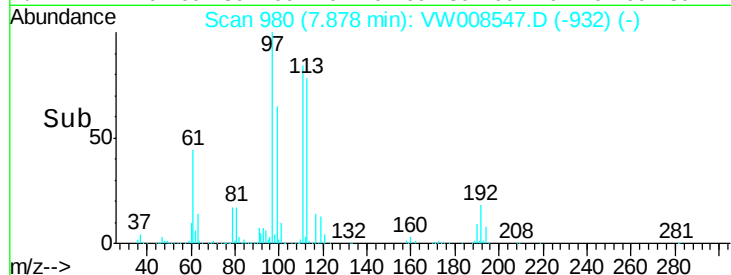
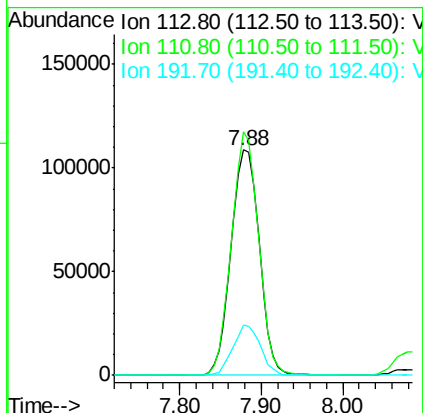
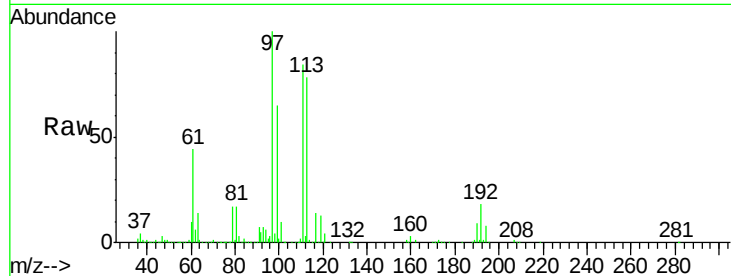
ClientSampleId :

98-SB-01-2-4MS

Tot Ion:	113	Resp:	261217
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.0	121.4
192	21.6	16.8	25.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.970 ug/l

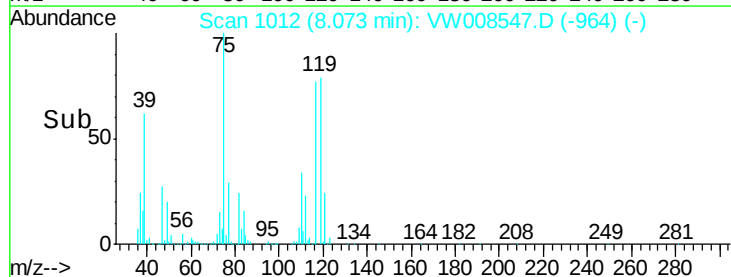
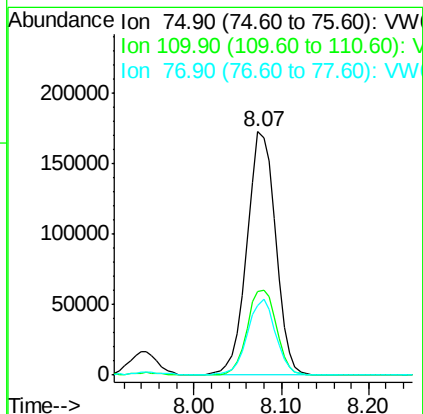
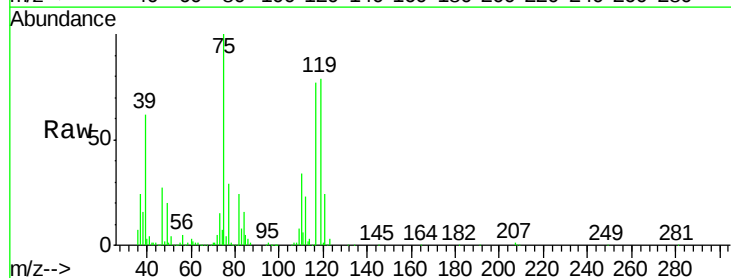
RT: 8.07 min Scan# 1012

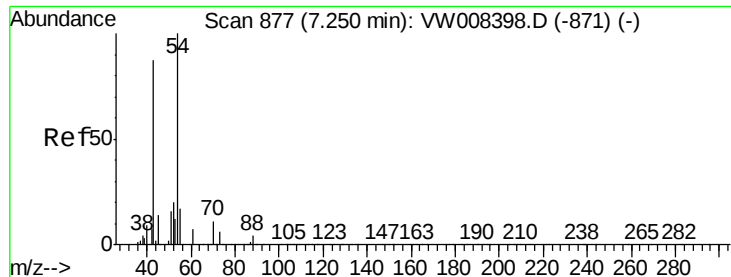
Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion:	75	Resp:	393784
Ion Ratio	Lower	Upper	
75	100		
110	35.7	17.3	52.0
77	30.6	24.7	37.1





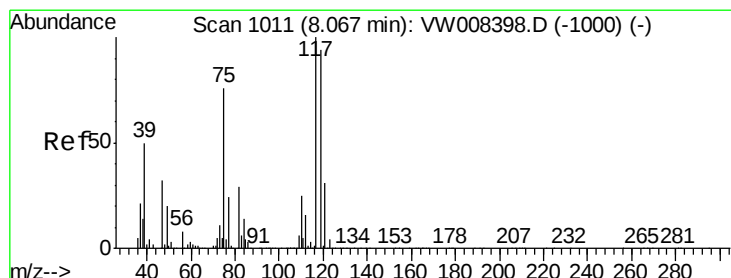
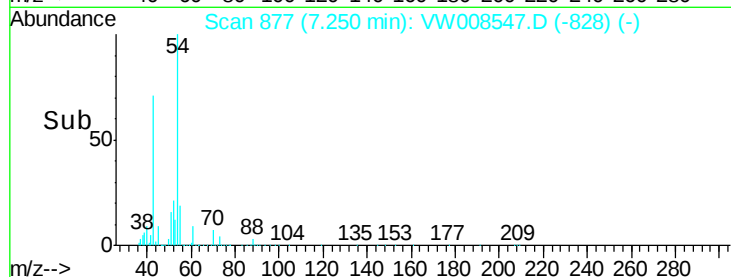
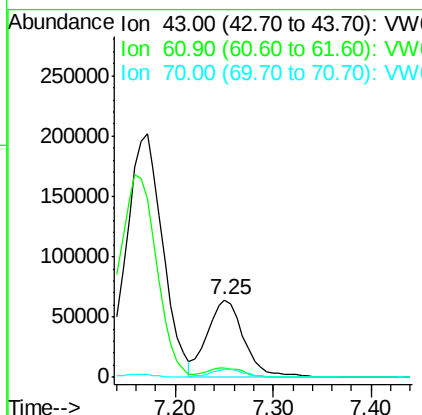
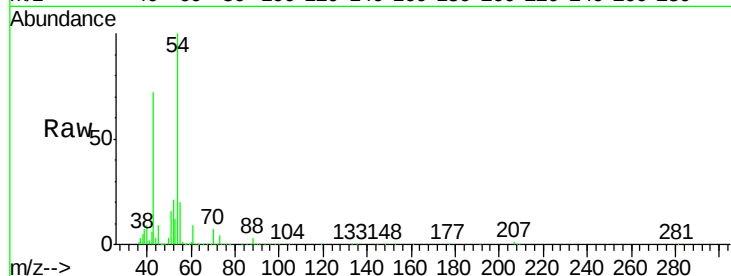
#37
Ethyl Acetate
Concen: 49.884 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.1	15.1
70	10.2	7.8	11.6

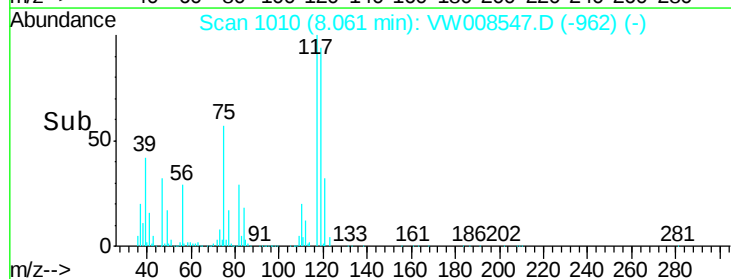
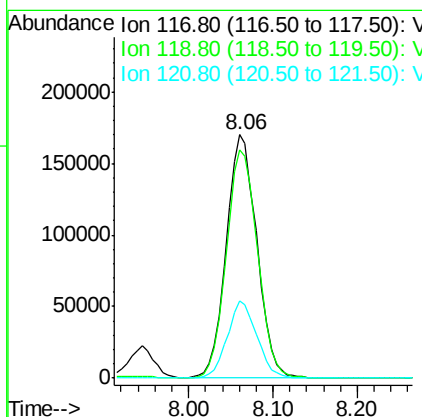
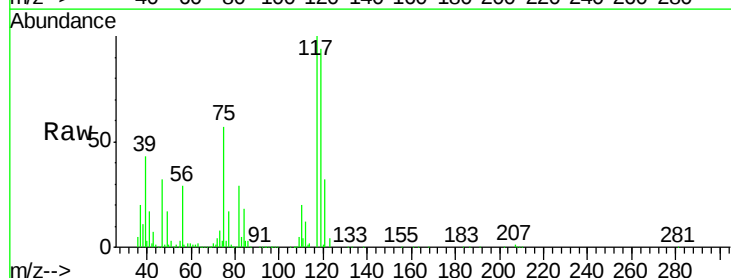
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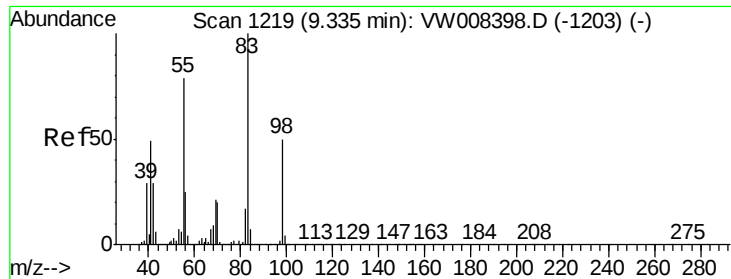
MMDadoda
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#38
Carbon Tetrachloride
Concen: 56.077 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.0	112.4
121	31.5	24.9	37.3





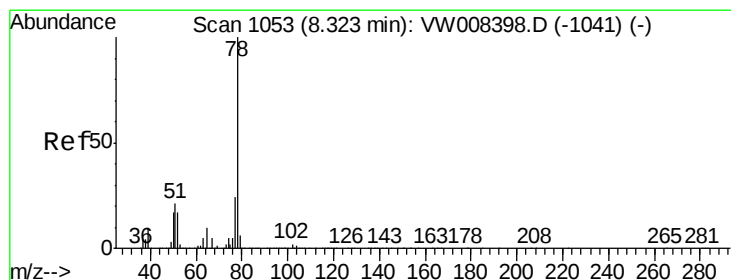
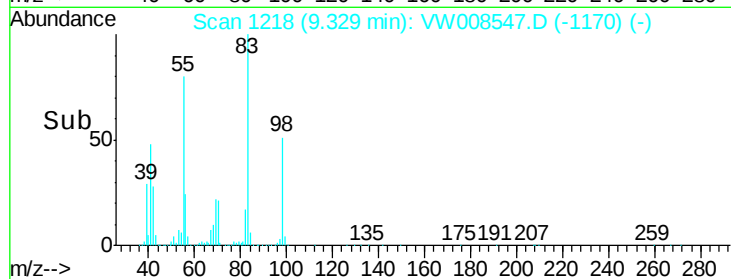
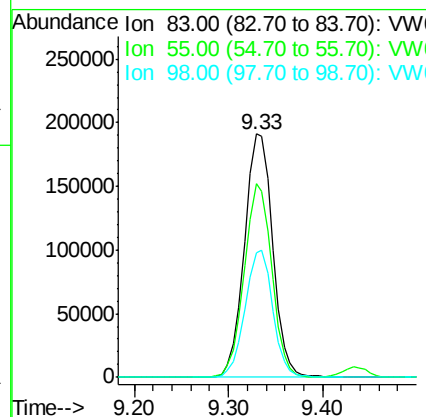
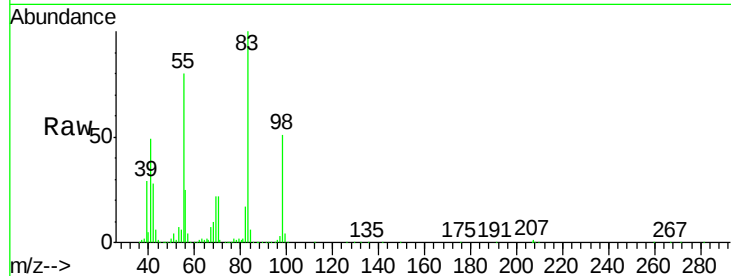
#39
Methvlcvclohexane
Concen: 41.149 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	63.3	94.9
98	51.4	39.7	59.5

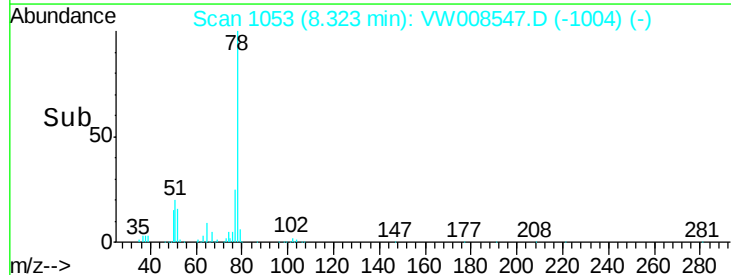
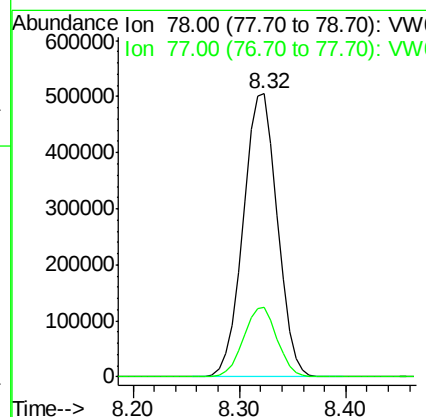
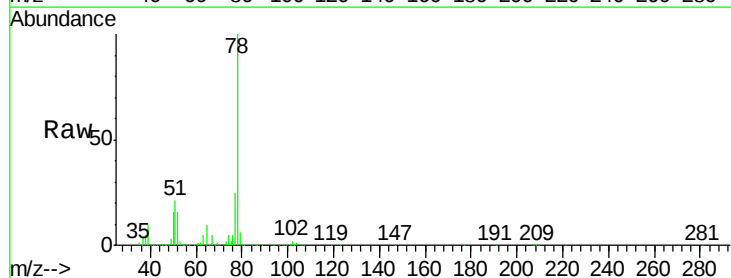
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#40
Benzene
Concen: 55.255 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.6





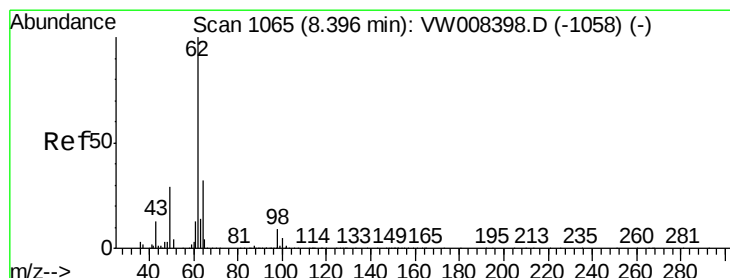
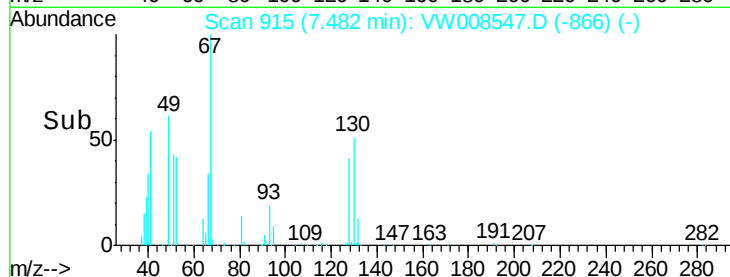
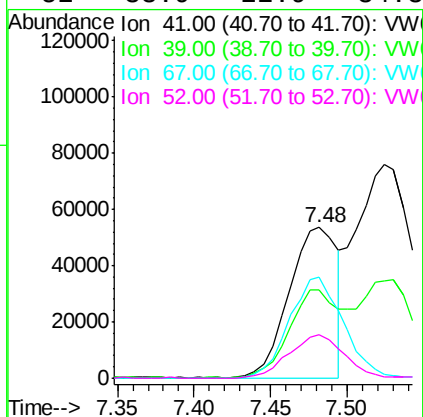
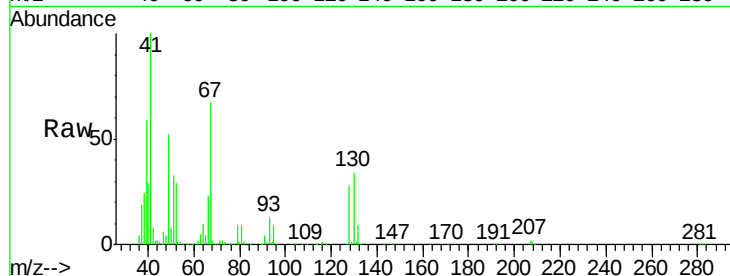
#41
Methacrylonitrile
Concen: 59.909 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		116673		
39	56.6	43.4	65.0		
67	75.1	54.2	81.2		
52	33.9	22.9	34.3		

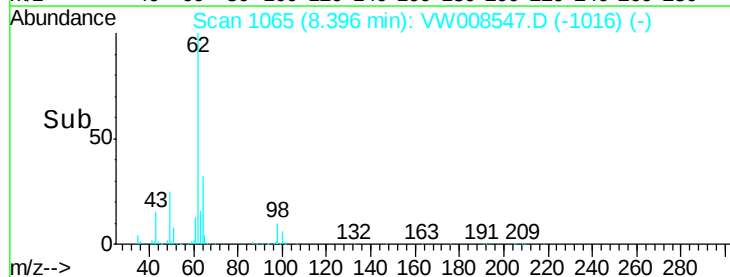
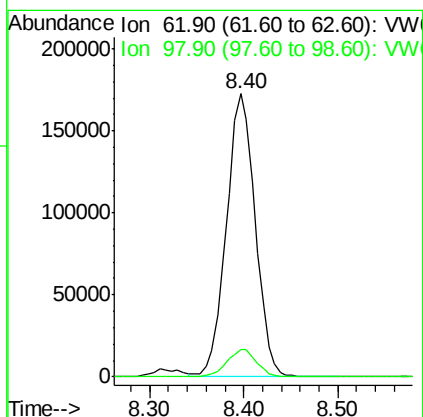
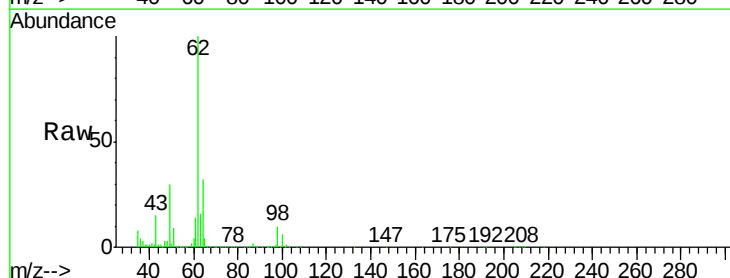
Manual Integrations
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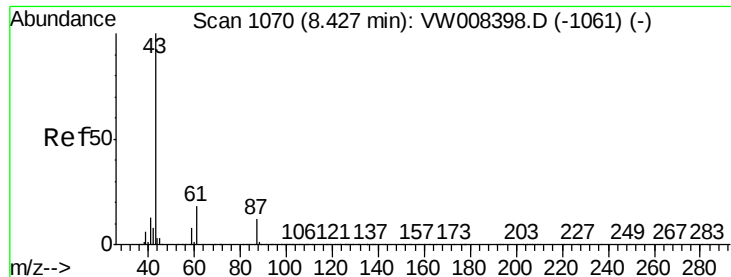
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2/11/2019 12:38:38 PM



#42
1,2-Dichloroethane
Concen: 61.152 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		365574		
98	10.0	0.0	18.6		





#43

Isopropyl Acetate

Concen: 55.435 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

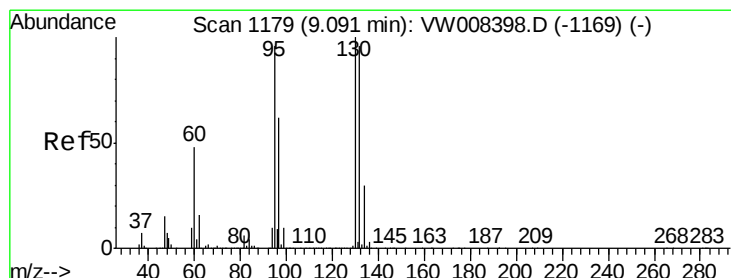
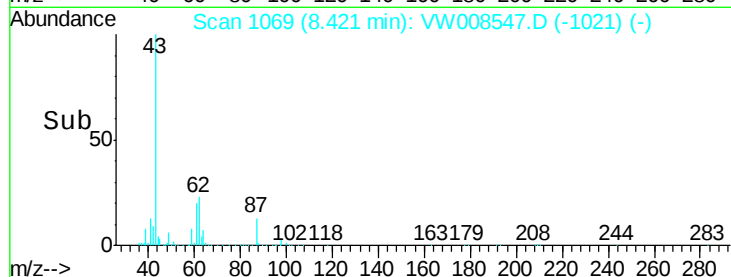
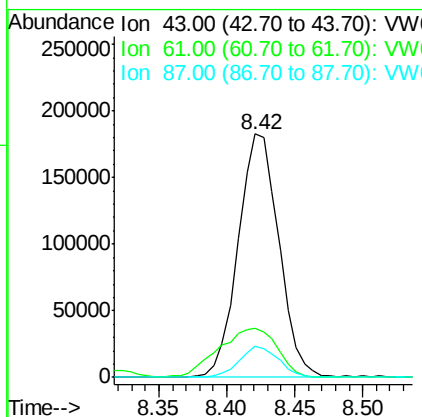
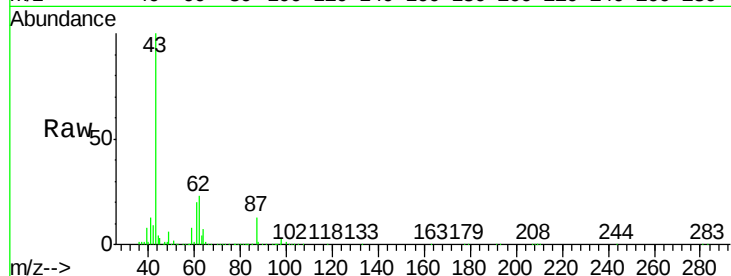
ClientSampleId :

98-SB-01-2-4MS

Tot Ion	43	Resp	378795
Ion Ratio	Lower	Upper	
43	100		
61	29.0	22.0	33.0
87	12.6	9.3	13.9

Manual Integrations
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#44

Trichloroethene

Concen: 61.742 ug/l

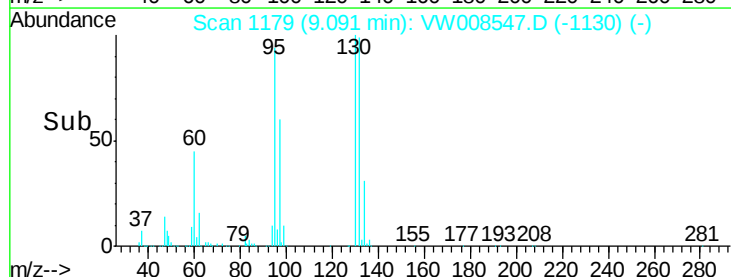
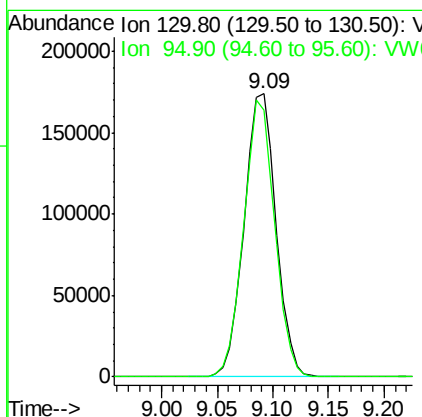
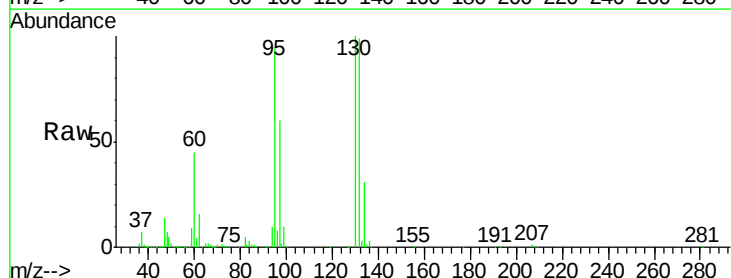
RT: 9.09 min Scan# 1179

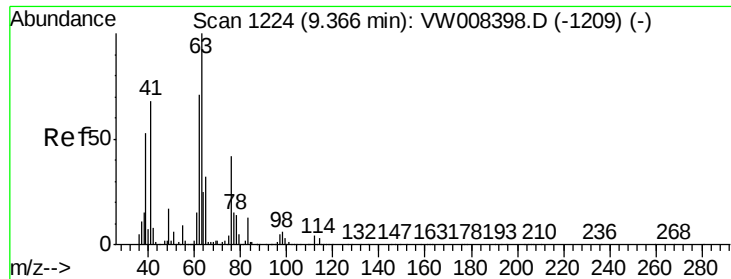
Delta R.T. -0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion	130	Resp	346350
Ion Ratio	Lower	Upper	
130	100		
95	94.4	0.0	191.6





#45

1,2-Dichloropropane

Concen: 56.739 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 63 Resp: 291839

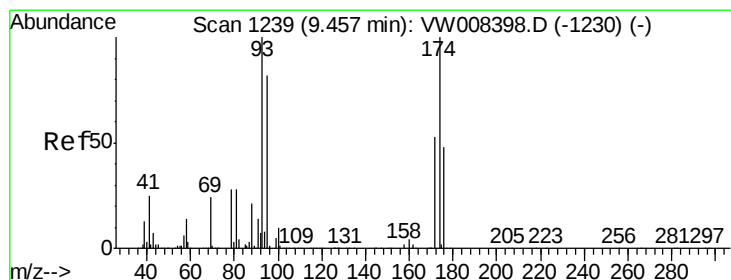
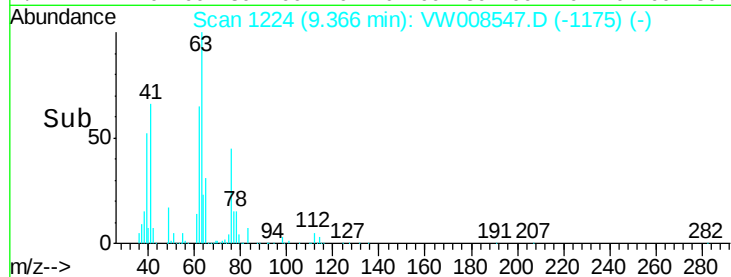
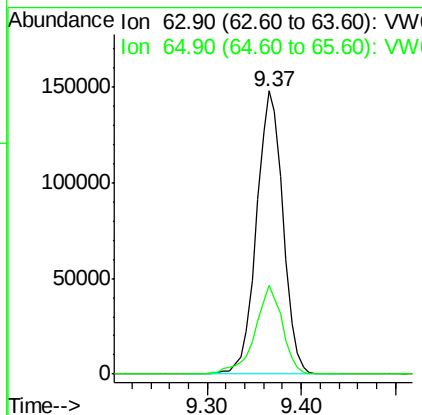
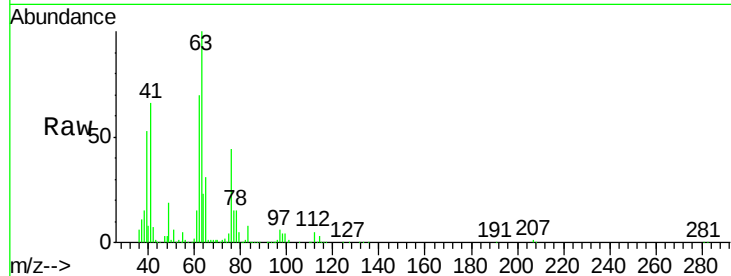
Ion Ratio Lower Upper

63 100

65 31.2 25.2 37.8

Manual Integrations
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#46

Dibromomethane

Concen: 62.273 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

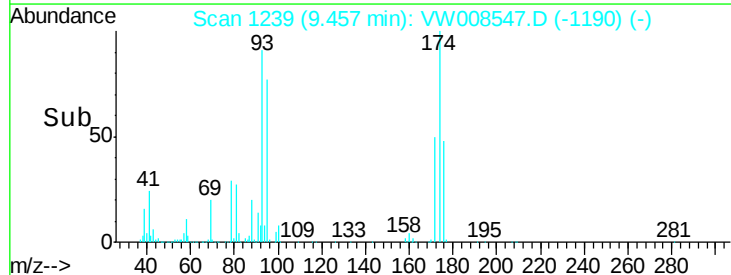
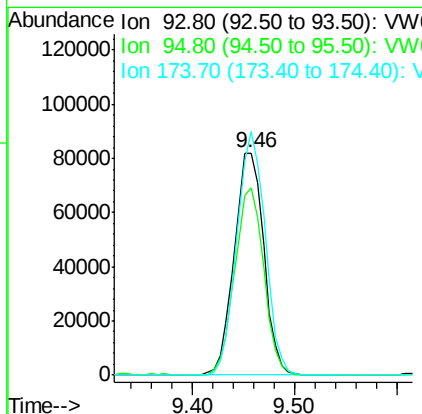
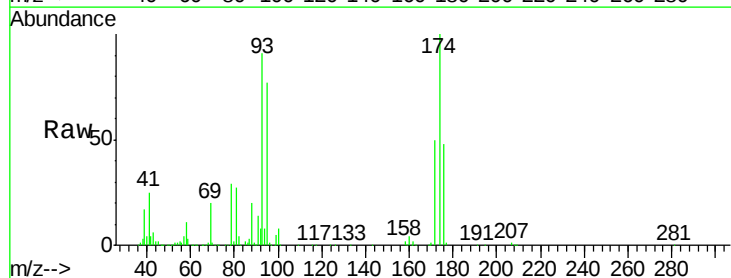
Tgt Ion: 93 Resp: 164744

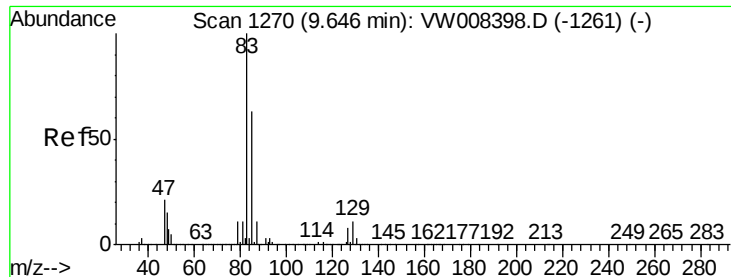
Ion Ratio Lower Upper

93 100

95 82.6 65.9 98.9

174 105.3 81.0 121.6





#47

Bromodichloromethane

Concen: 57.956 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

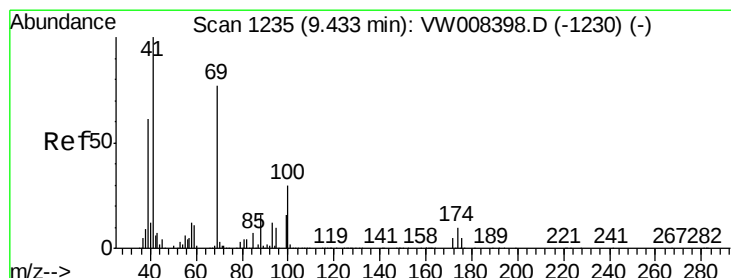
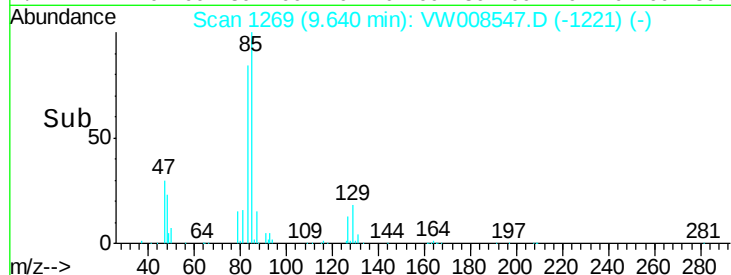
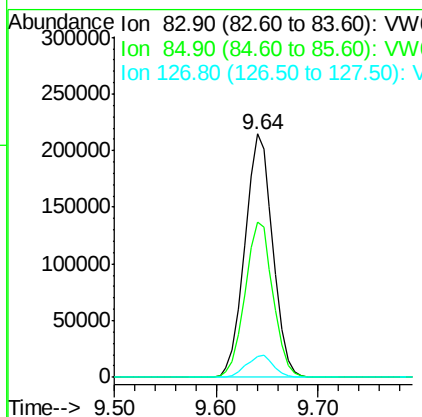
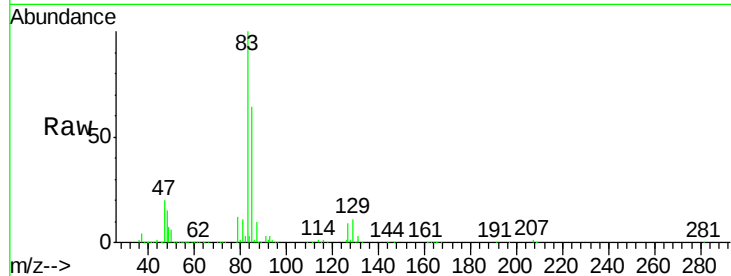
ClientSampleId :

98-SB-01-2-4MS

Tot Ion:	83	Resp:	405540
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.8	76.2
127	8.5	6.8	10.2

Manual Integrations
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2/11/2019 12:38:38 PM



#48

Methyl methacrylate

Concen: 68.158 ug/l

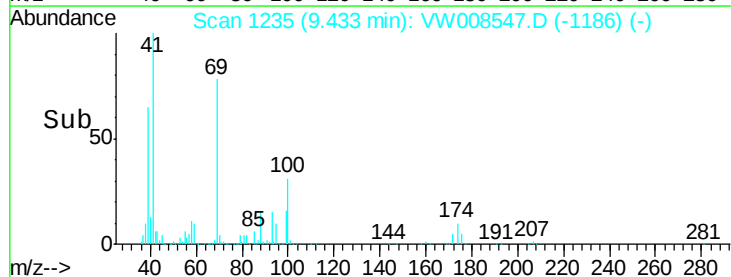
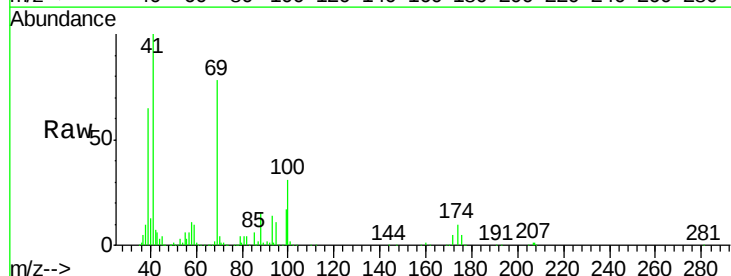
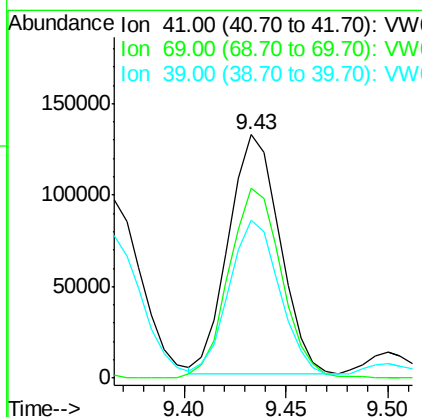
RT: 9.43 min Scan# 1235

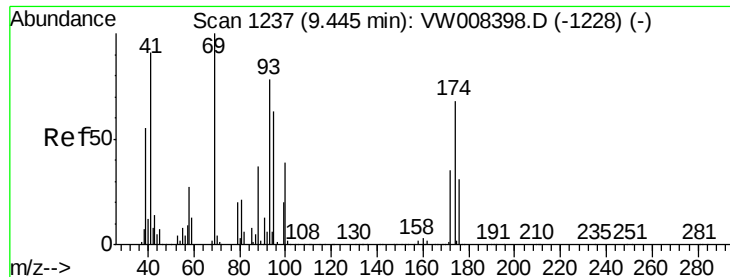
Delta R.T. -0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion:	41	Resp:	227724
Ion Ratio	Lower	Upper	
41	100		
69	81.4	64.8	97.2
39	66.8	49.1	73.7





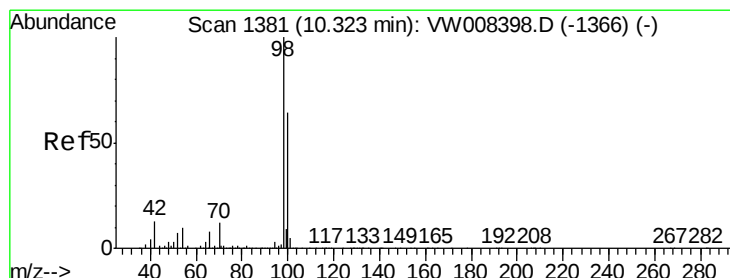
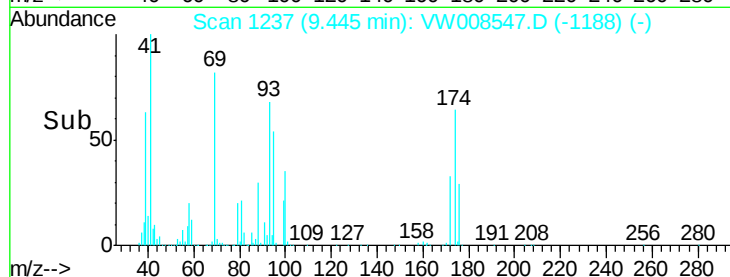
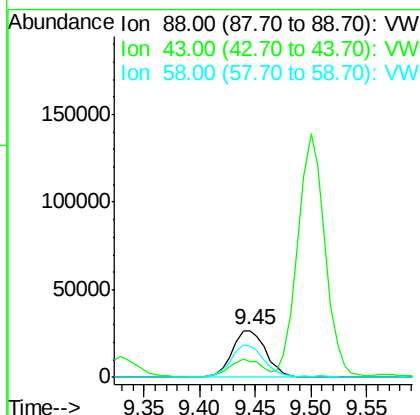
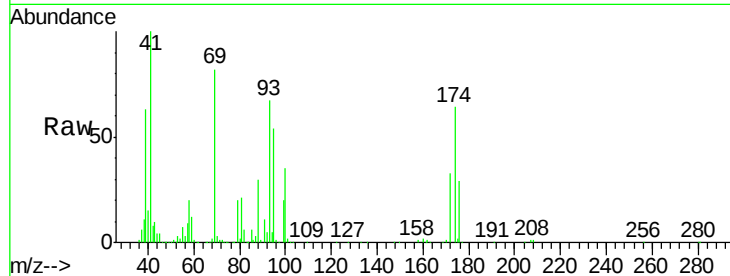
#49
1,4-Dioxane
Concen: 1269.333 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	29.0	43.4
58	68.1	56.4	84.6

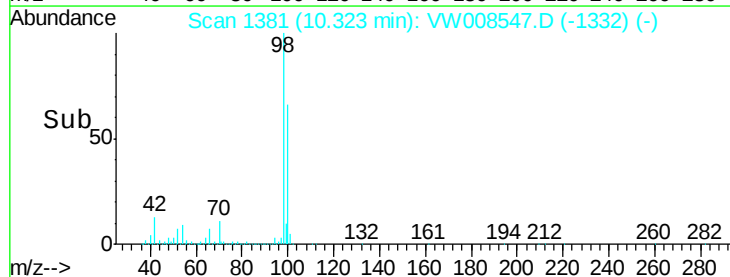
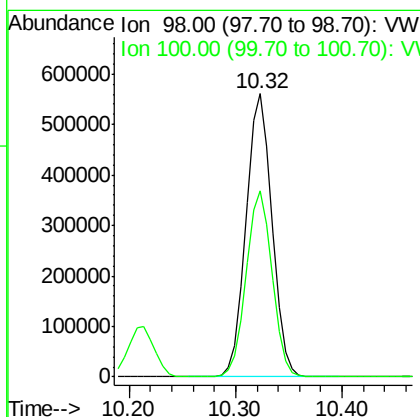
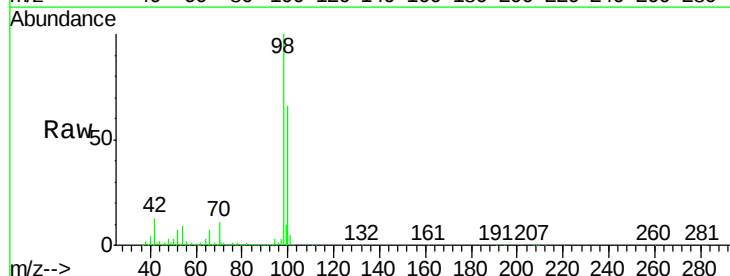
Manual Integrations
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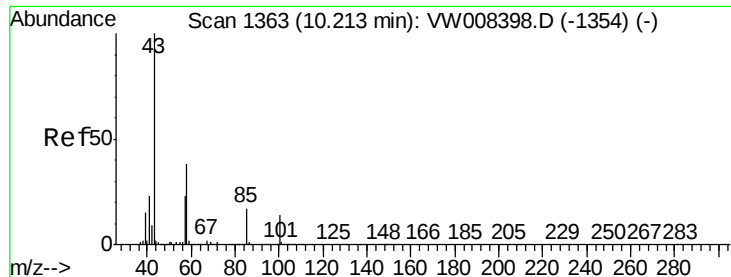
MMDadoda
2/11/2019 12:38:38 PM



#50
Toluene-d8
Concen: 52.087 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 341.175 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 43 Resp: 1151729

Ion Ratio Lower Upper

43 100

58 37.0

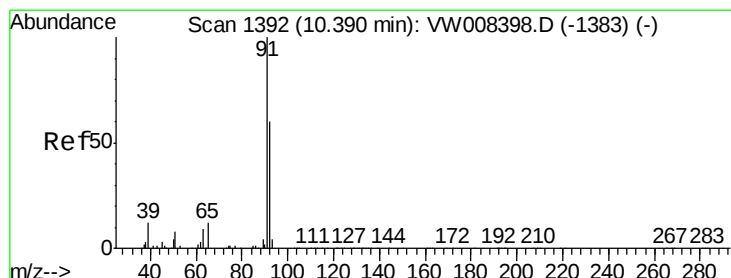
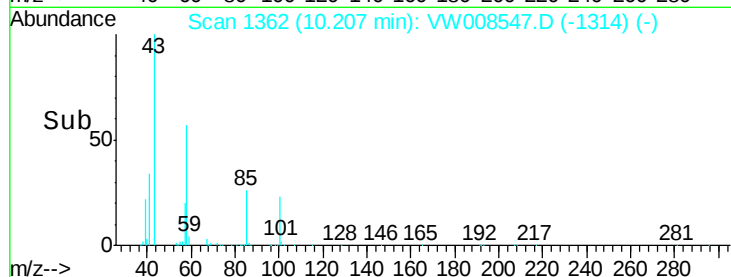
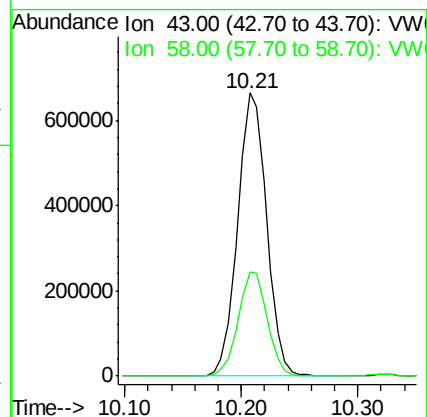
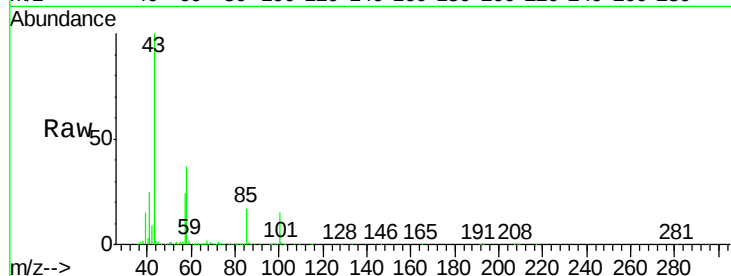
29.7

44.5

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#52

Toluene

Concen: 52.574 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion: 92 Resp: 715926

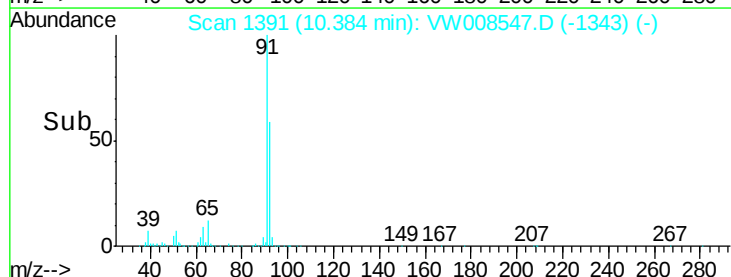
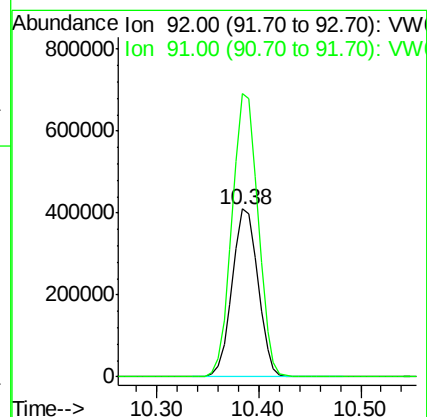
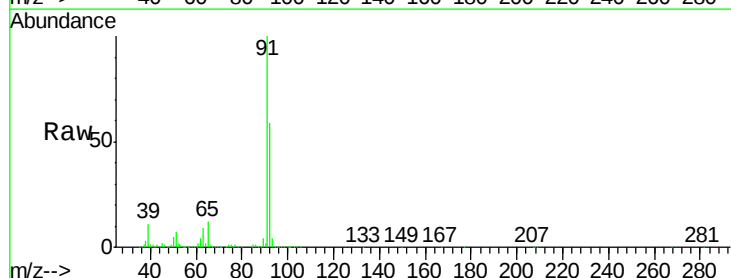
Ion Ratio Lower Upper

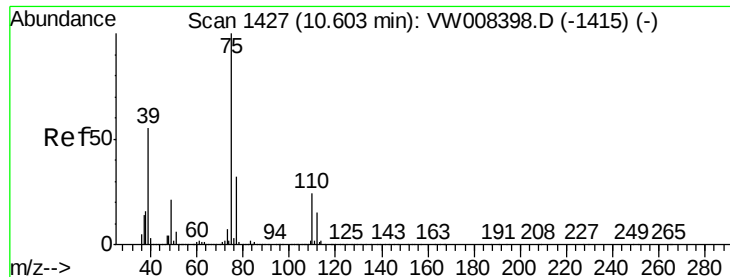
92 100

91 170.3

135.5

203.3





#53

t-1,3-Dichloropropene

Concen: 54.738 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 75 Resp: 407570

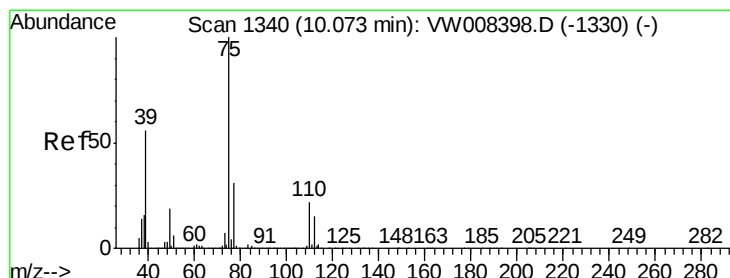
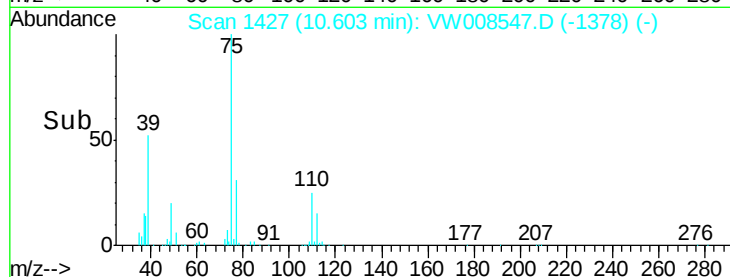
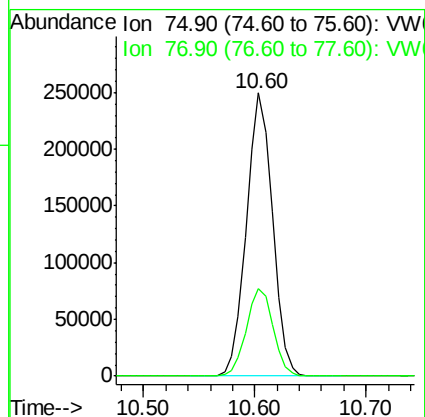
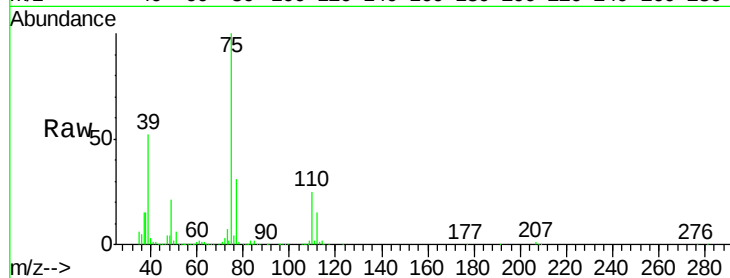
Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9

Manual Integrations
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2/11/2019 12:38:38 PM



#54

cis-1,3-Dichloropropene

Concen: 54.683 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

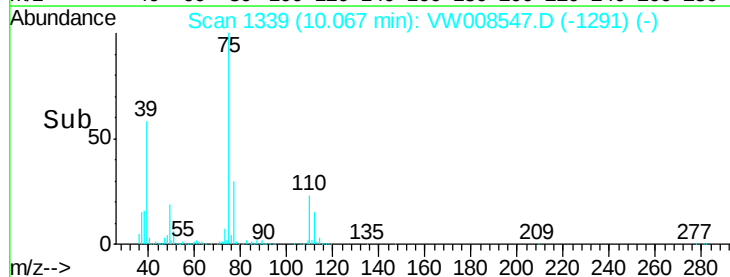
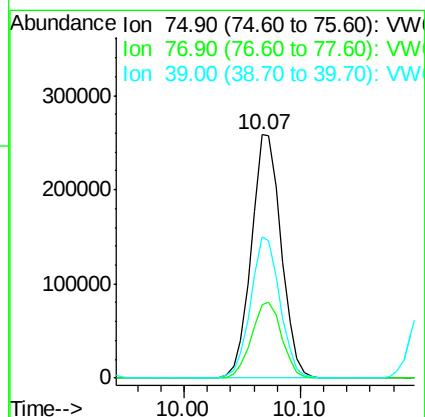
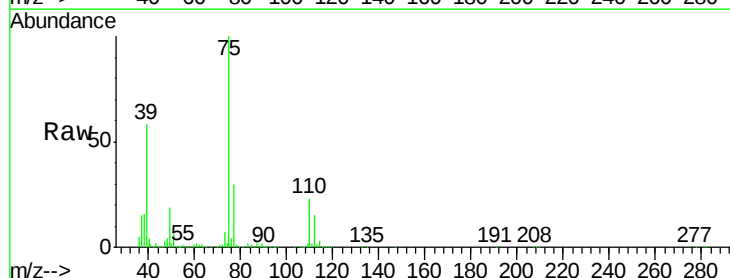
Tgt Ion: 75 Resp: 462058

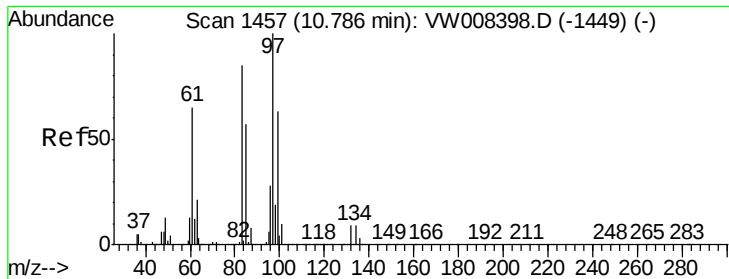
Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4

39 58.1 44.9 67.3





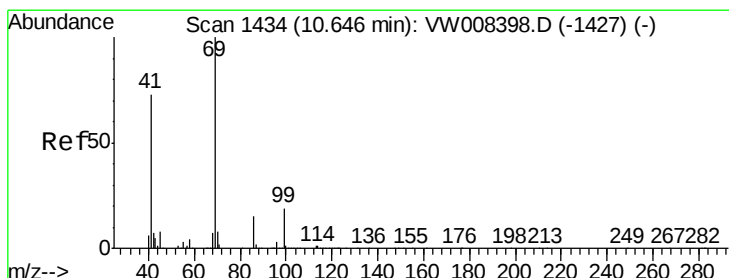
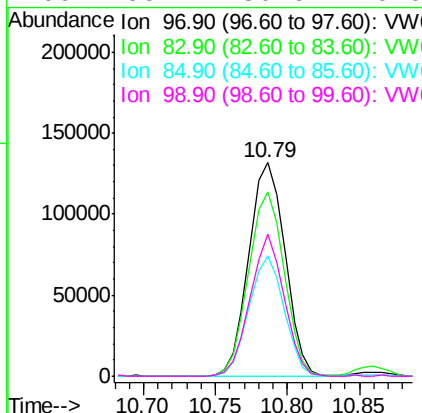
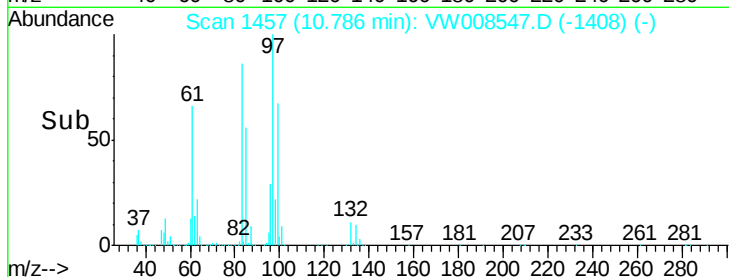
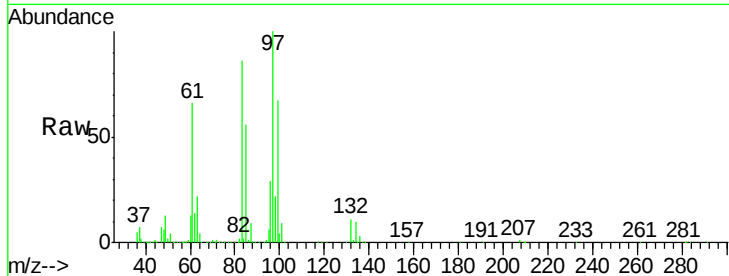
#55
 1,1,2-Trichloroethane
 Concen: 62.543 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		229501		
83	86.1	68.4	102.6		
85	56.2	45.3	67.9		
99	66.7	50.6	76.0		

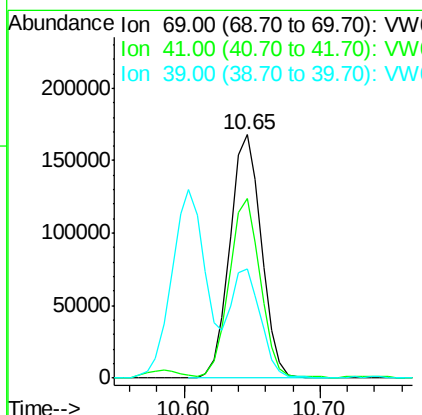
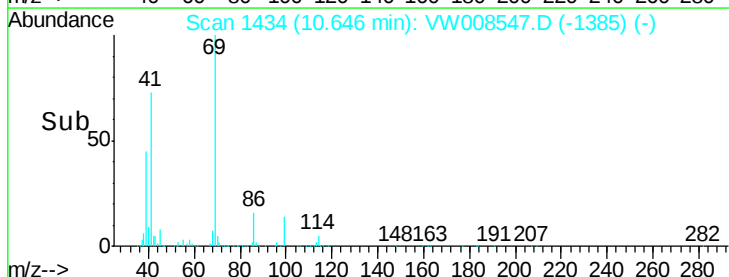
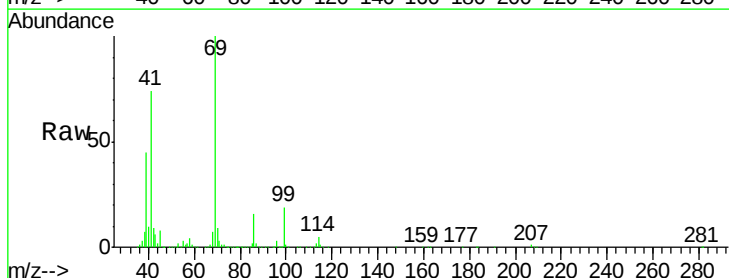
Manual Integrations
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 2/11/2019 12:38:38 PM



#56
 Ethyl methacrylate
 Concen: 52.332 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		269076		
41	72.9	58.7	88.1		
39	41.5	32.6	48.8		





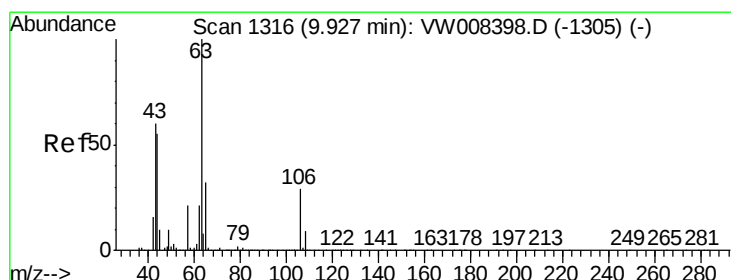
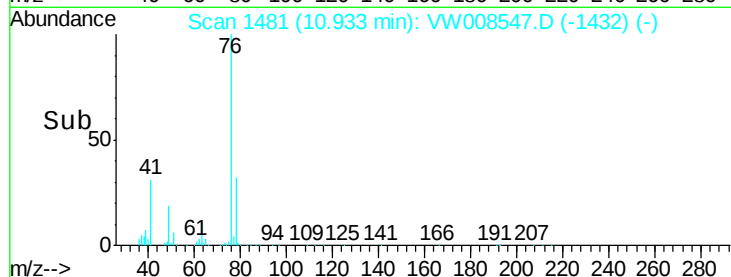
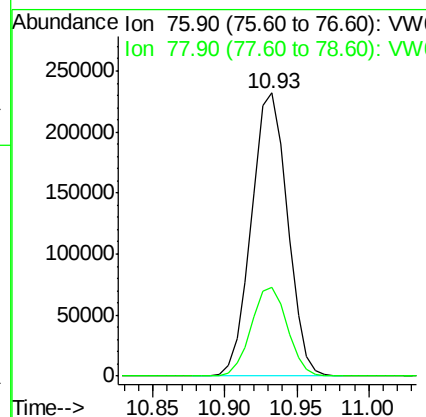
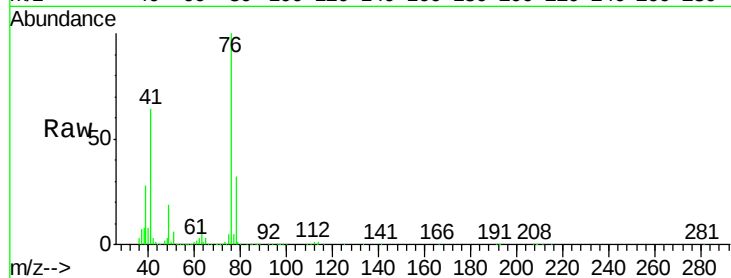
#57
 1,3-Dichloropropane
 Concen: 60.901 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion: 76 Resp: 400355
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8

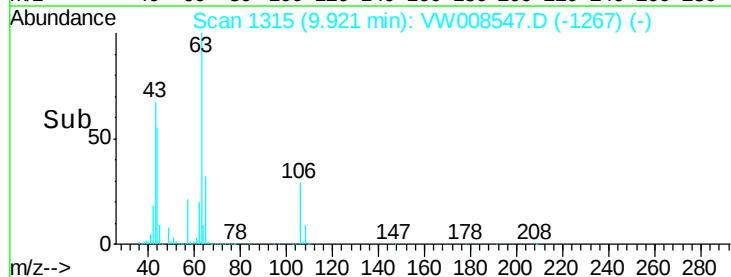
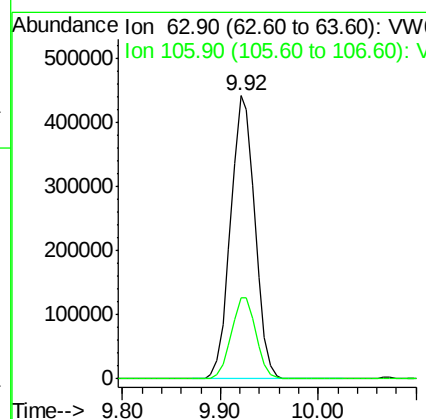
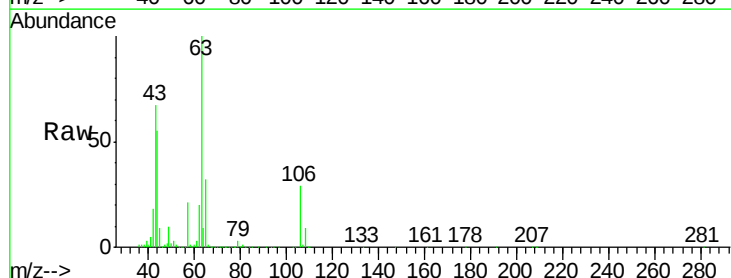
Manual Integrations
 APPROVED

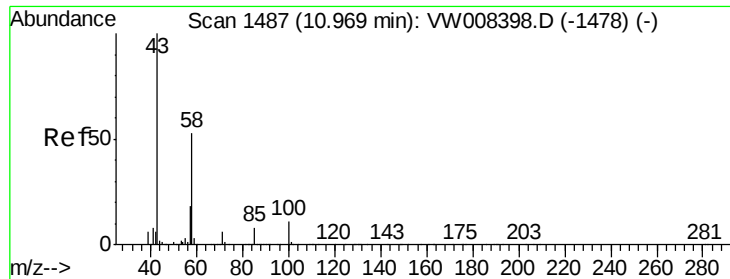
MMDadoda
 2/11/2019 12:38:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 303.918 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Tgt Ion: 63 Resp: 759253
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.4 33.6





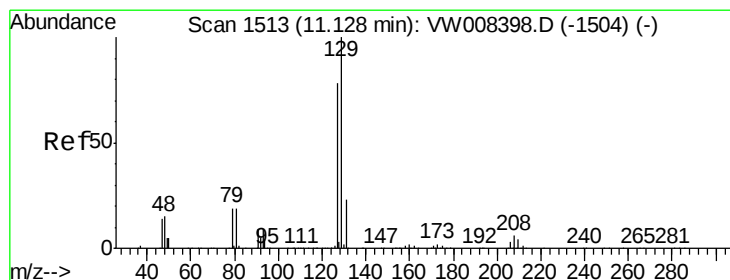
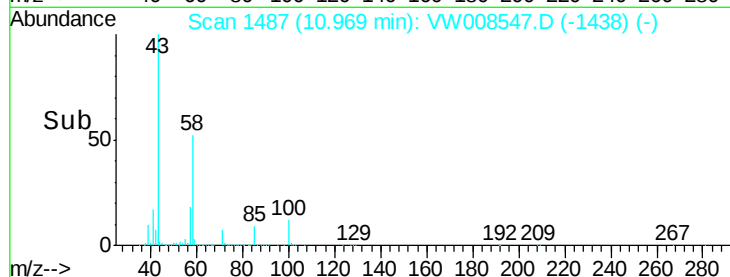
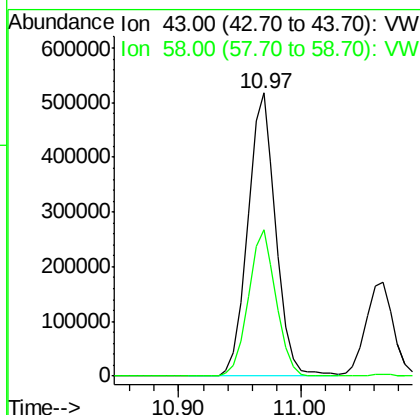
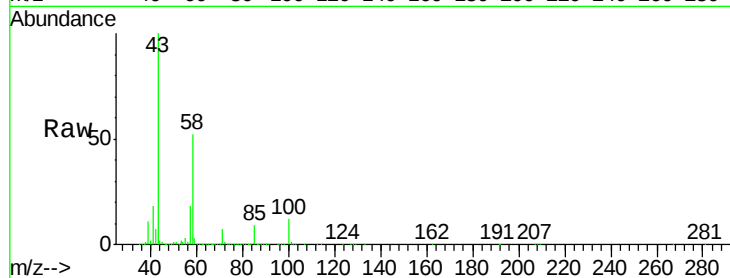
#59
2-Hexanone
Concen: 343.561 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion: 43 Resp: 818761
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

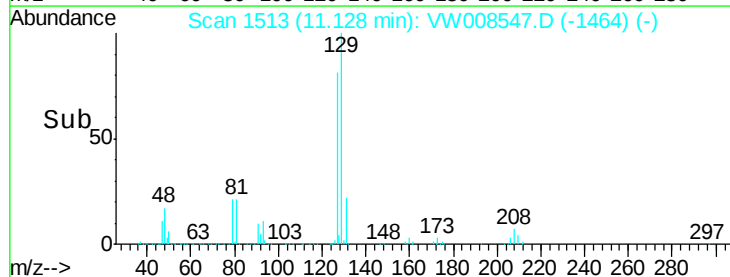
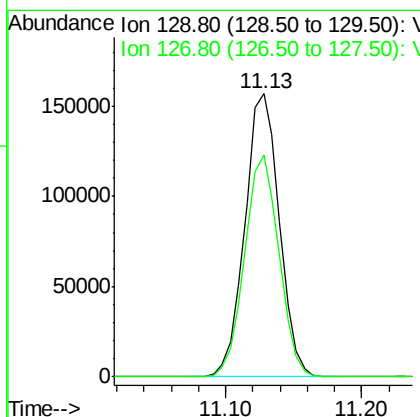
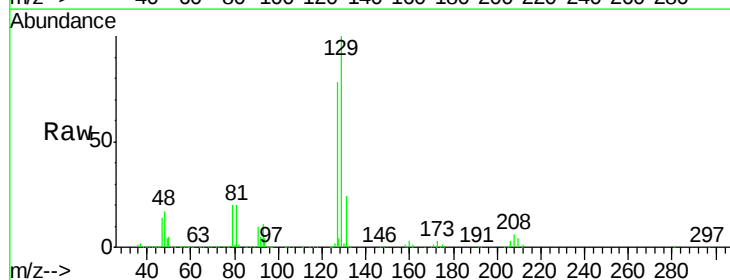
Manual Integrations
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#60
Dibromochloromethane
Concen: 59.050 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion: 129 Resp: 278453
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 60.577 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 107 Resp: 220406

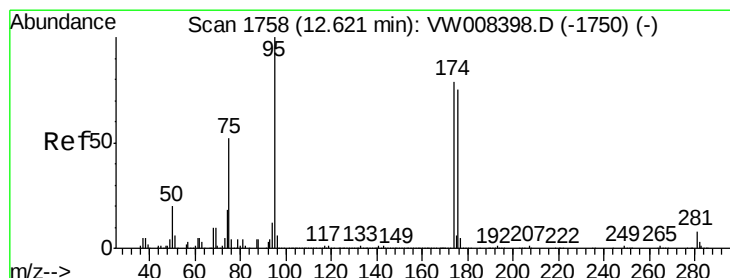
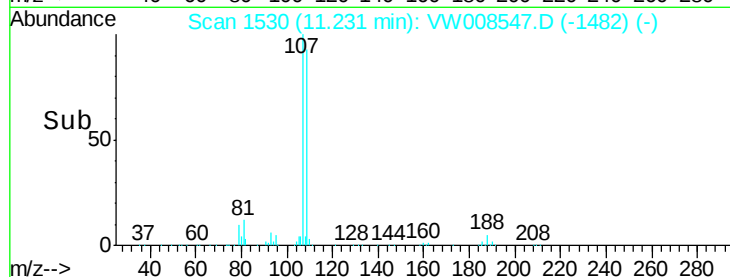
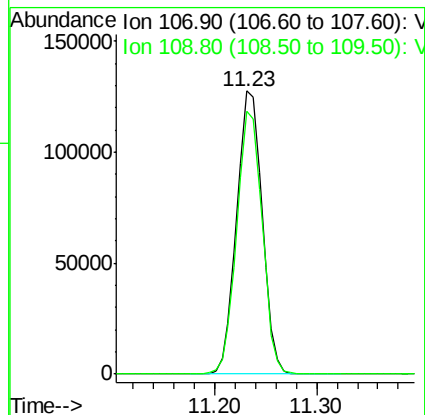
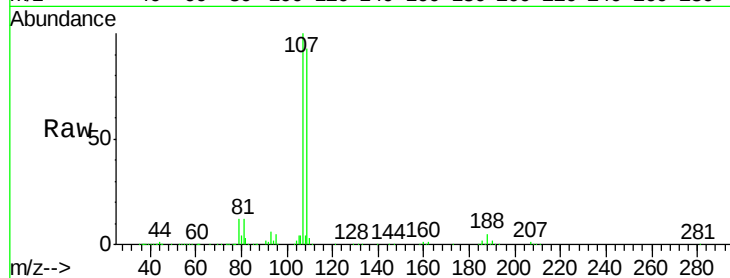
Ion Ratio Lower Upper

107 100

109 92.7 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 44.390 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

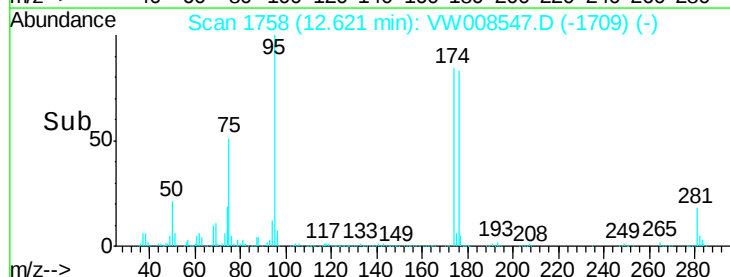
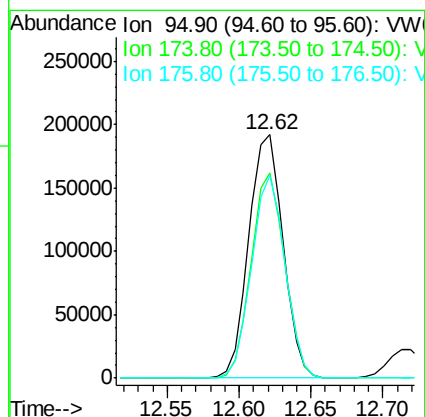
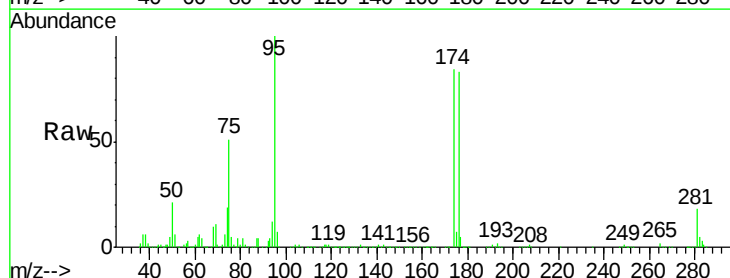
Tgt Ion: 95 Resp: 314873

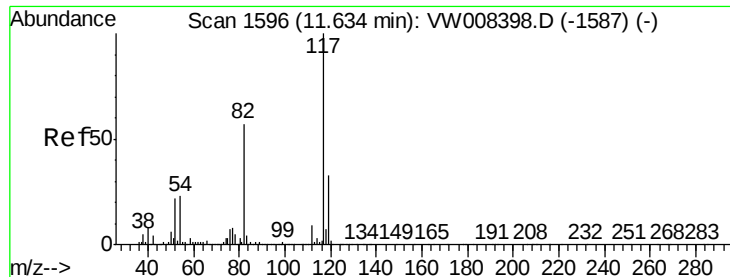
Ion Ratio Lower Upper

95 100

174 82.9 0.0 157.6

176 81.3 0.0 151.8





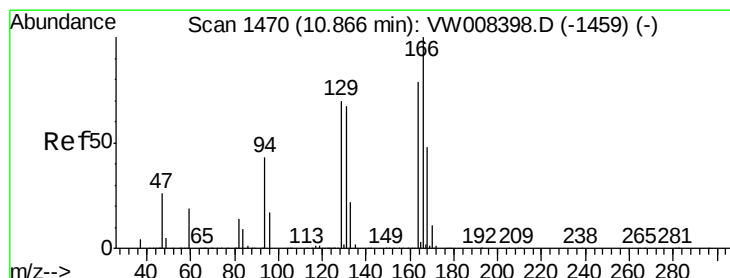
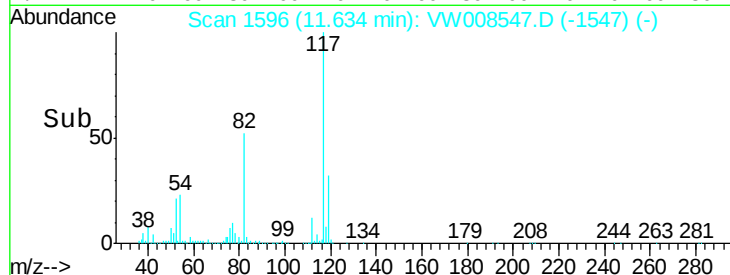
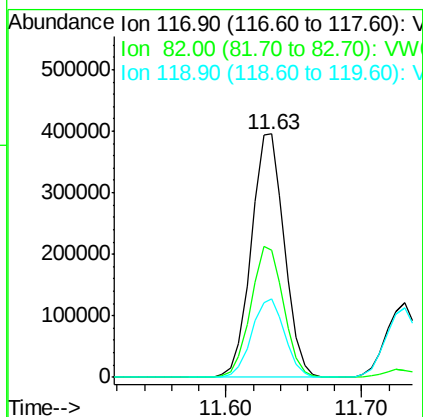
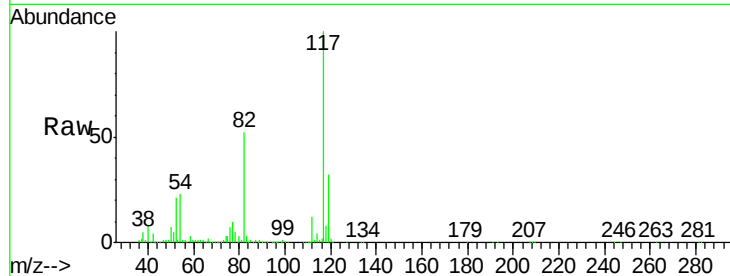
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	45.4	68.0
119	32.4	26.2	39.4

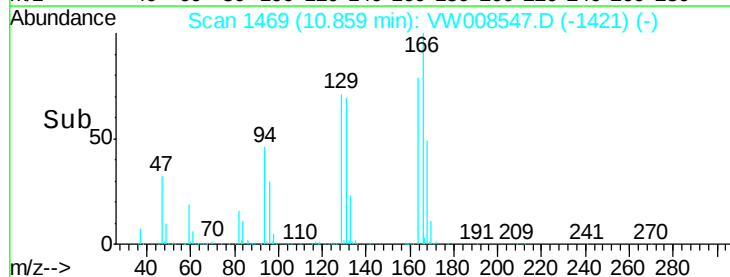
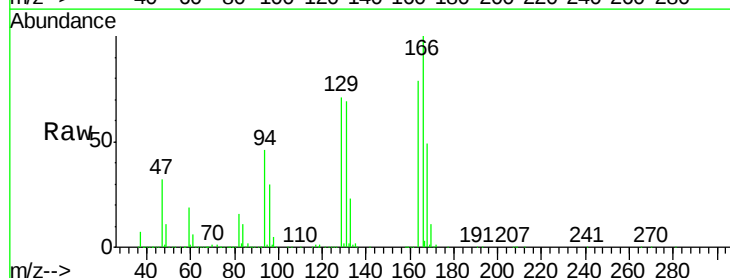
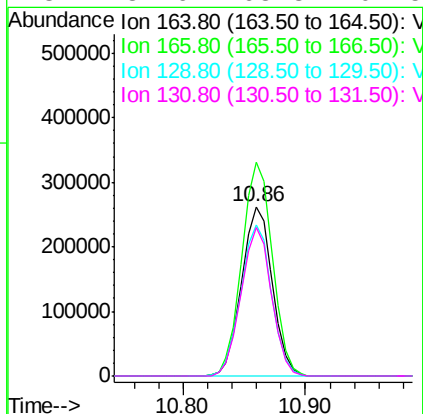
Manual Integrations
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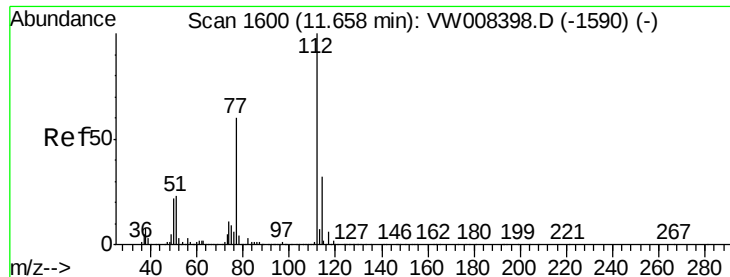
MMDadoda
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#64
Tetrachloroethene
Concen: 99.593 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.4	152.0
129	89.6	71.0	106.6
131	87.6	68.3	102.5





#65

Chlorobenzene

Concen: 55.105 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion:112 Resp: 758295

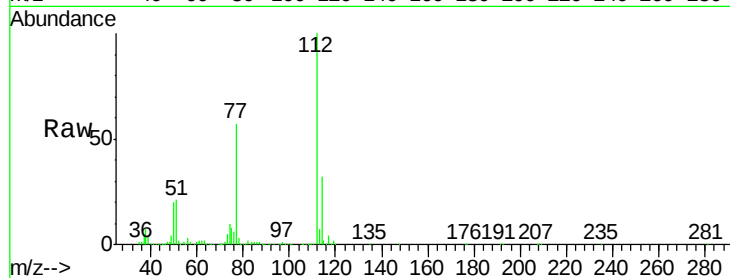
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2

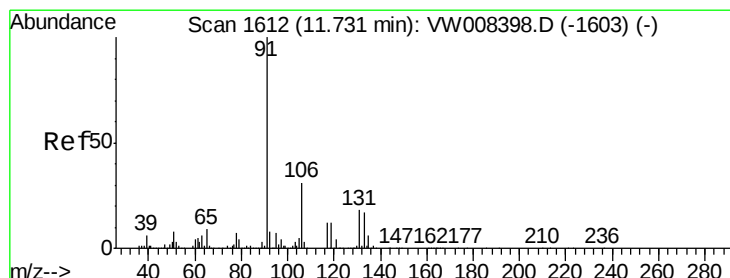
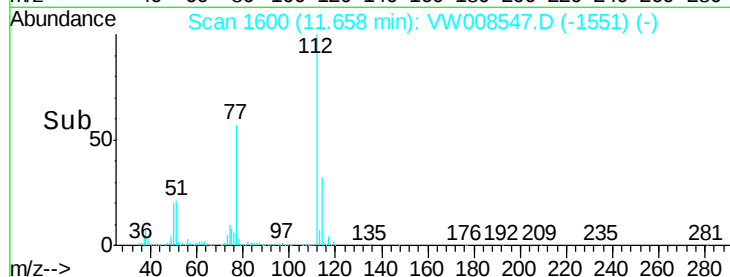
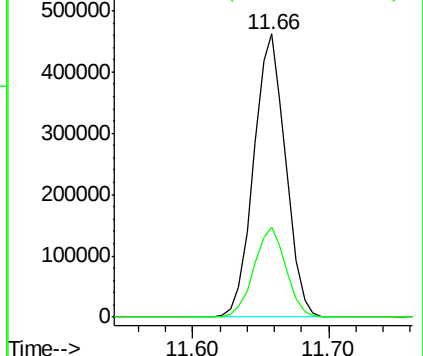
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 60.899 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

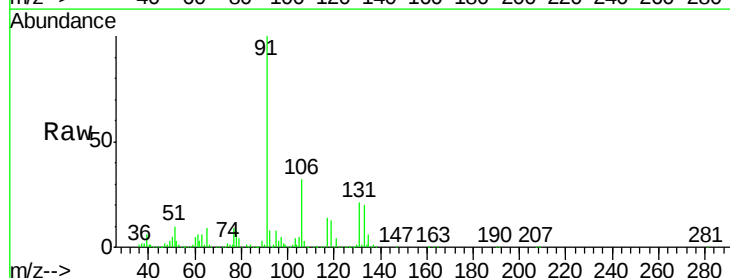
Tgt Ion:131 Resp: 299831

Ion Ratio Lower Upper

131 100

133 94.6 47.0 141.2

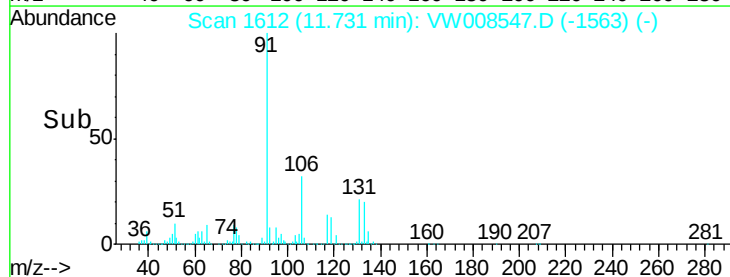
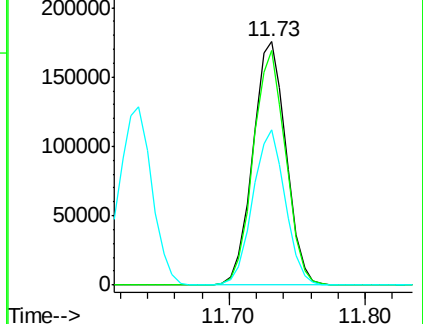
119 62.5 32.1 96.3

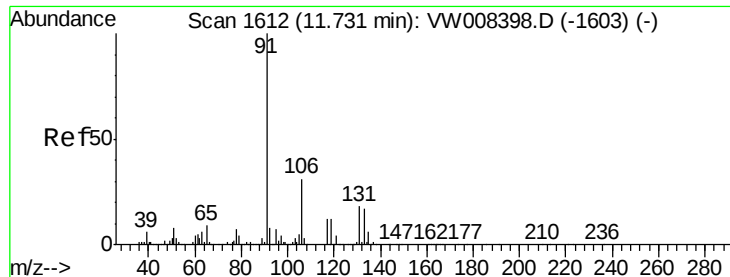


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





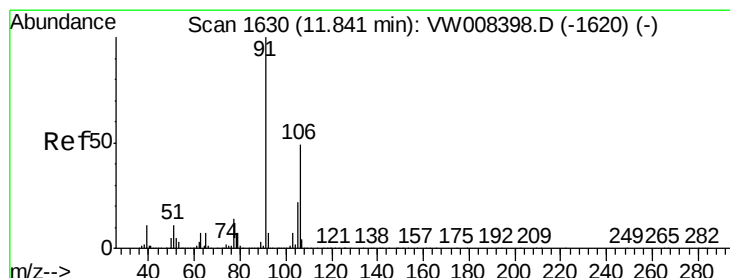
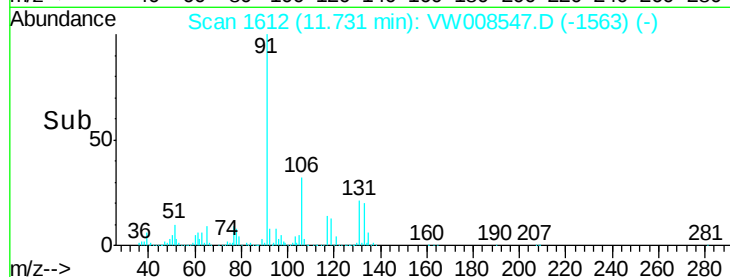
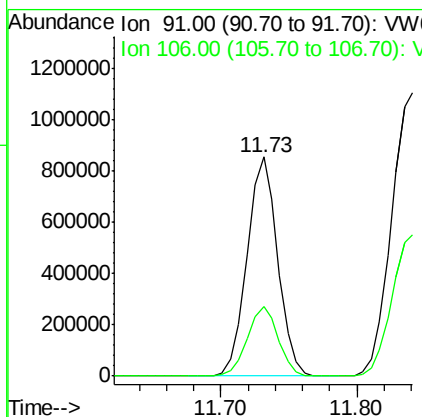
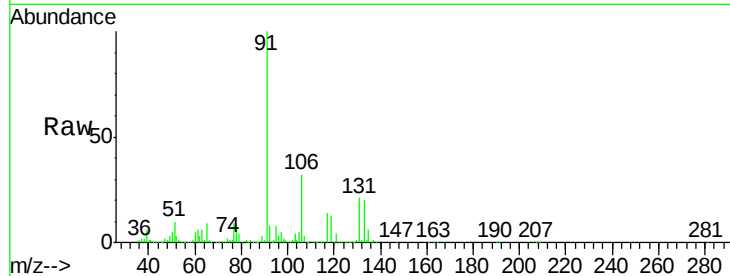
#67
Ethyl Benzene
Concen: 53.399 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion: 91 Resp: 1350713
Ion Ratio Lower Upper
91 100
106 32.0 24.7 37.1

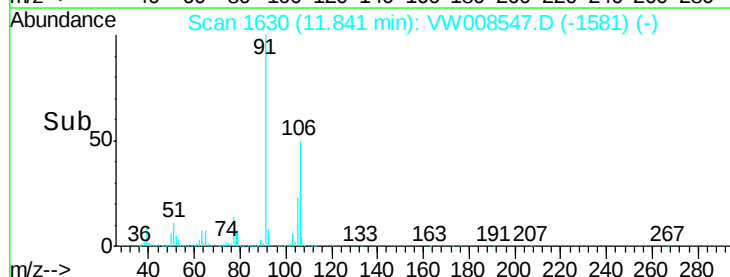
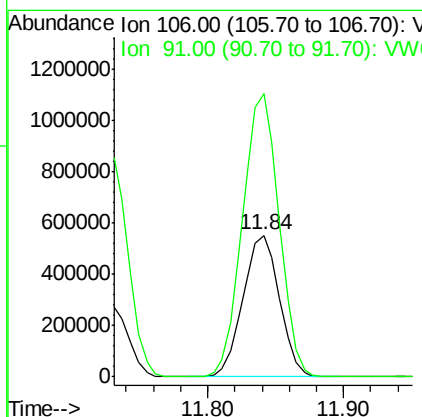
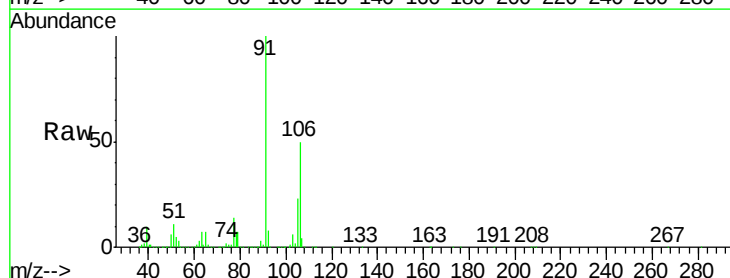
Manual Integrations
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#68
m/p-Xylenes
Concen: 105.053 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion: 106 Resp: 1031025
Ion Ratio Lower Upper
106 100
91 201.3 162.9 244.3





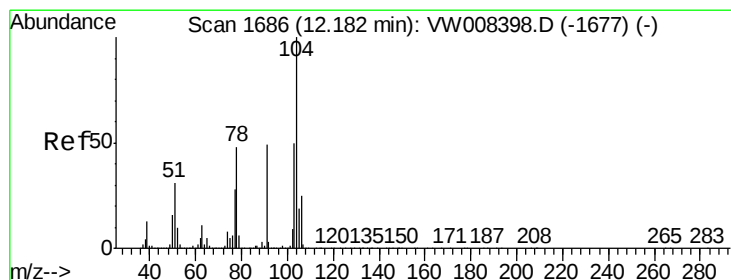
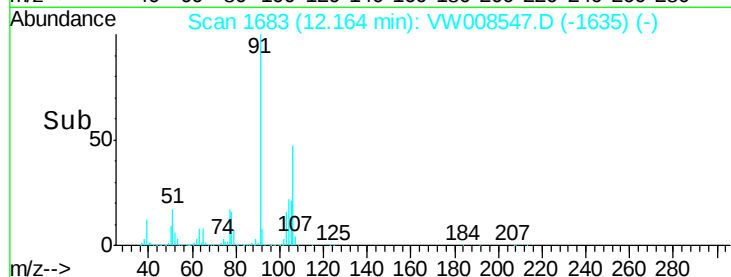
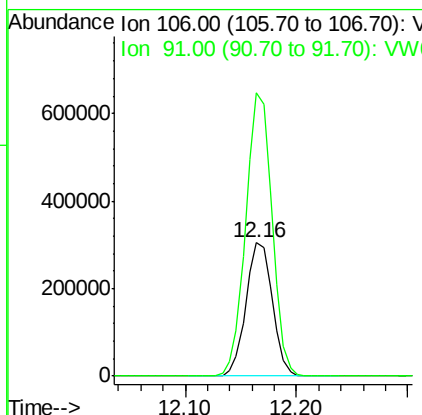
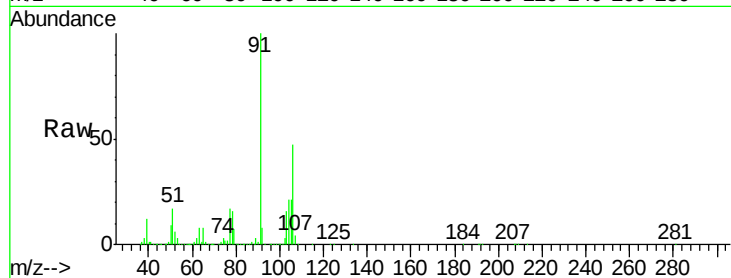
#69
o-Xylene
Concen: 53.931 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	107.5	322.4

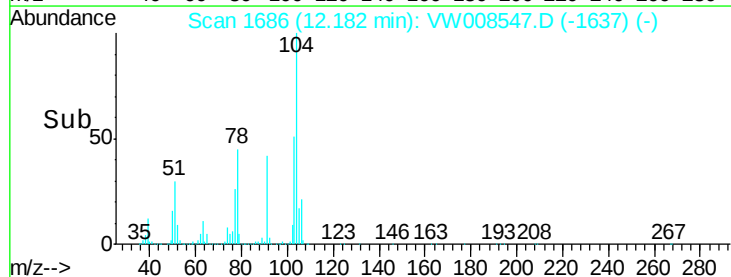
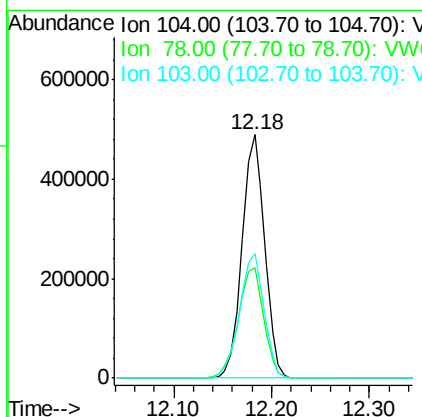
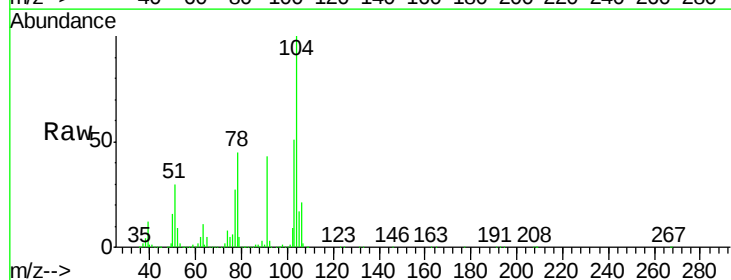
Manual Integrations
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#70
Styrene
Concen: 51.070 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.4	63.6
103	55.4	43.4	65.0





#71

Bromoform

Concen: 61.753 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

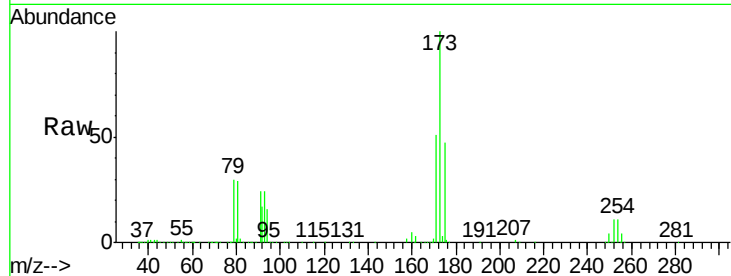
ClientSampleId :

98-SB-01-2-4MS

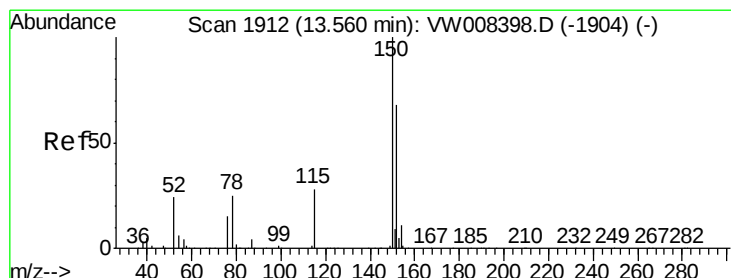
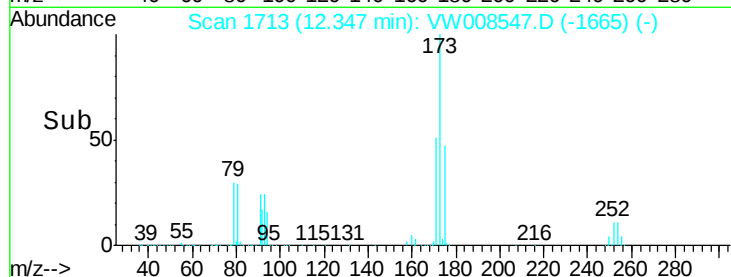
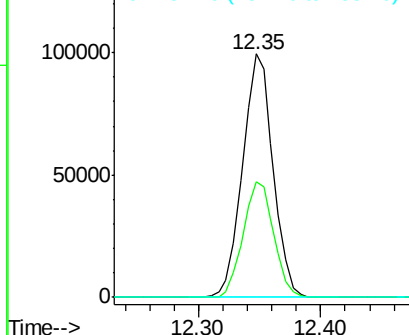
Tot Ion:	173	Resp:	171062
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.4	73.4
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

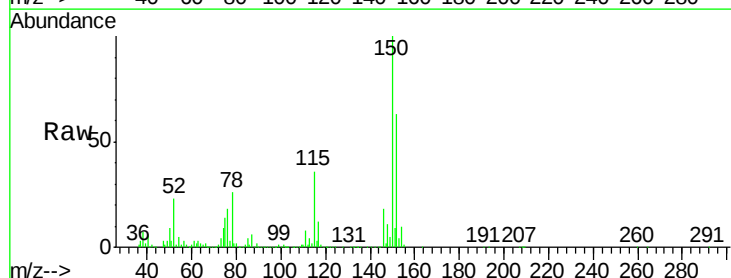
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

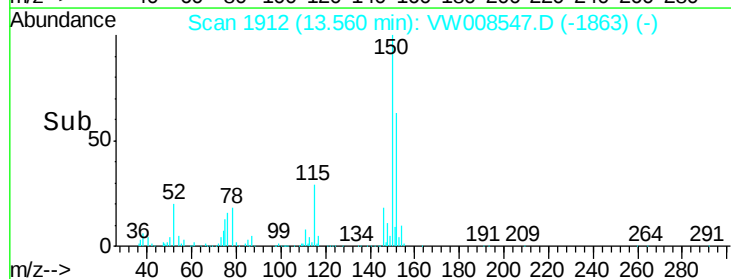
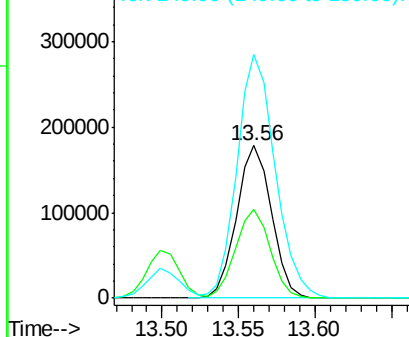
Lab File: VW008547.D

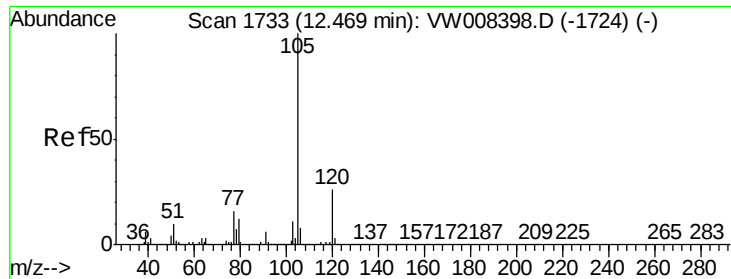
Acq: 07 Feb 2019 12:48

Tgt Ion:	152	Resp:	281608
Ion Ratio	Lower	Upper	
152	100		
115	57.4	29.9	89.7
150	175.5	0.0	351.4



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





#73

Isopropylbenzene

Concen: 62.498 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion:105 Resp: 1312112

Ion Ratio Lower Upper

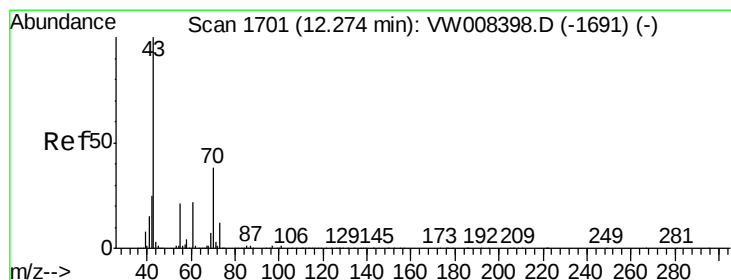
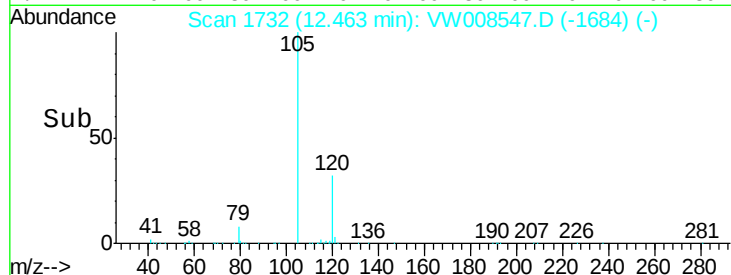
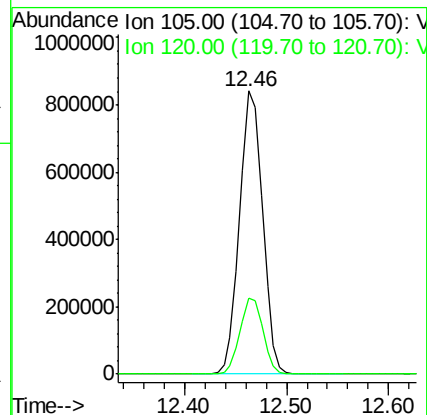
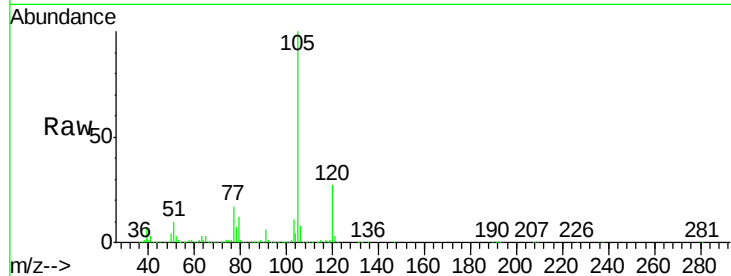
105 100

120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 52.858 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion: 43 Resp: 285885

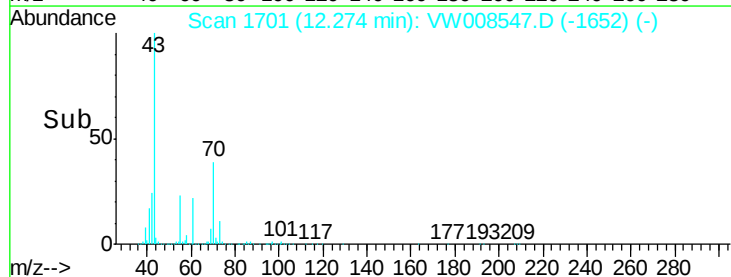
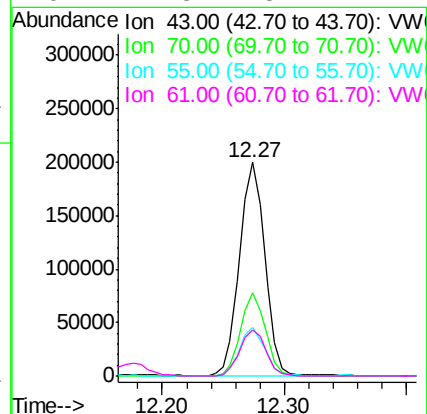
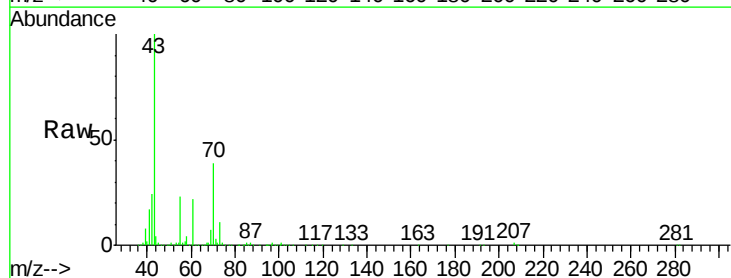
Ion Ratio Lower Upper

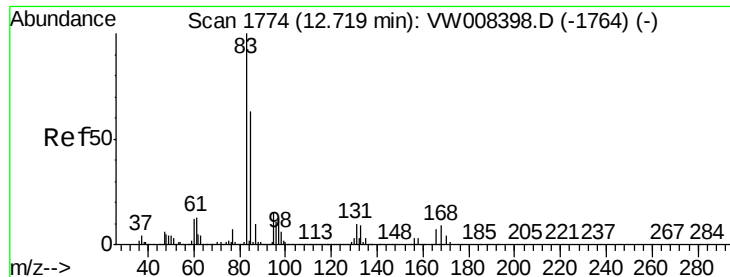
43 100

70 38.5 31.0 46.6

55 22.6 17.4 26.2

61 22.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 70.356 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

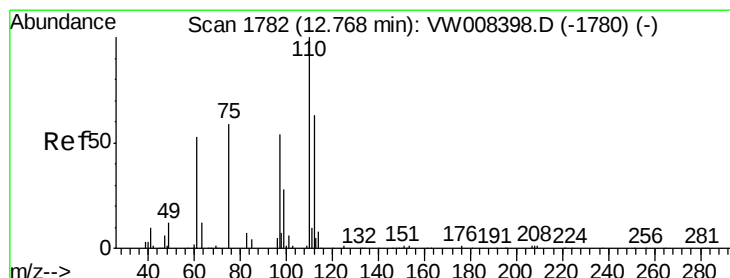
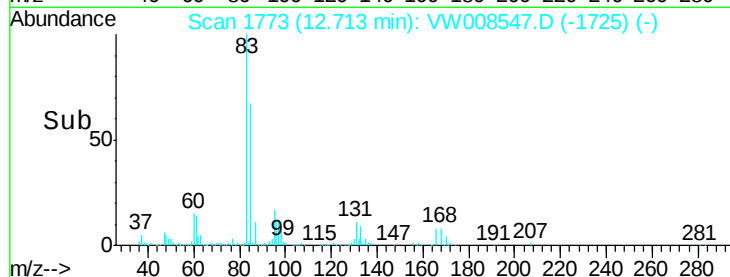
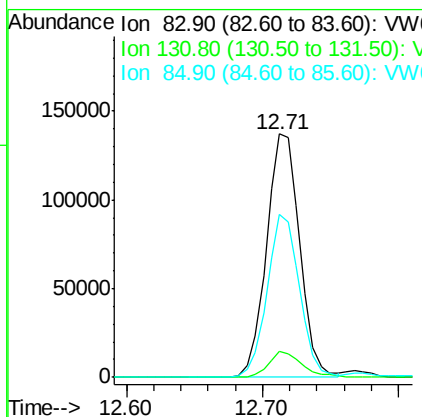
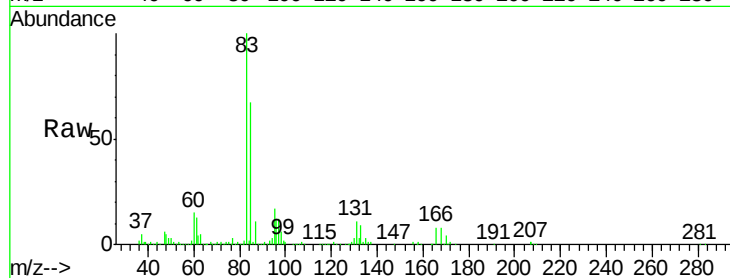
ClientSampleId :

98-SB-01-2-4MS

Tot Ion:	83	Resp:	233852
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	65.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 76.809 ug/l m

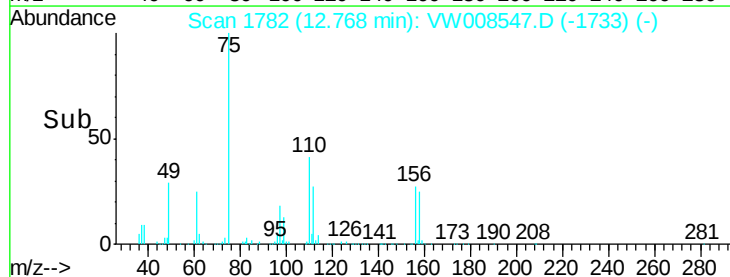
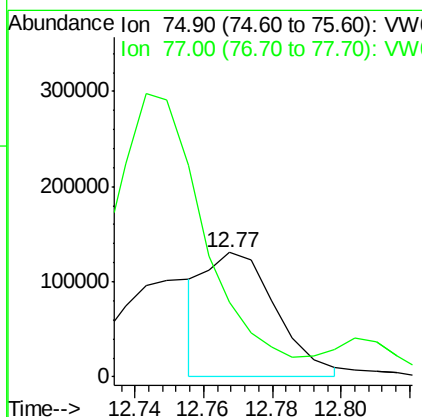
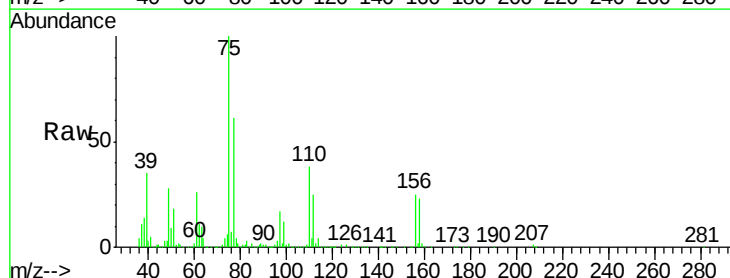
RT: 12.77 min Scan# 1782

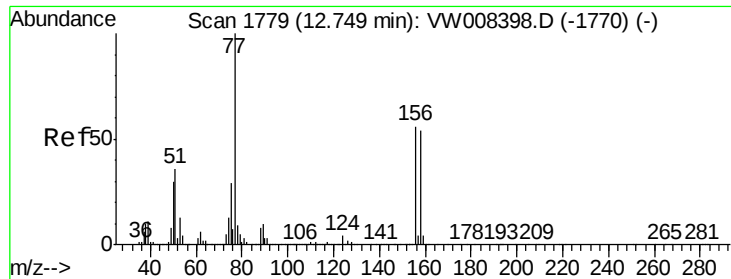
Delta R.T. -0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion:	75	Resp:	188057
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





#77

Bromobenzene

Concen: 66.003 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

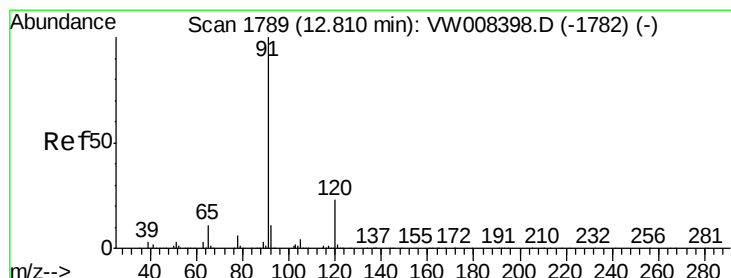
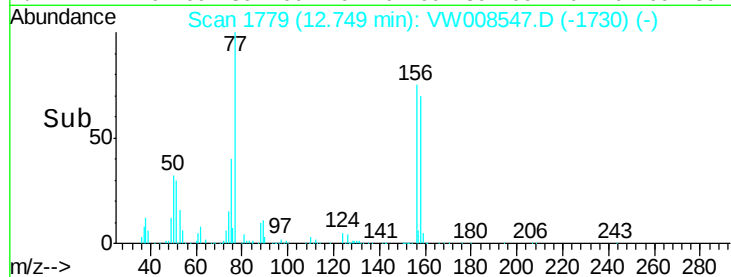
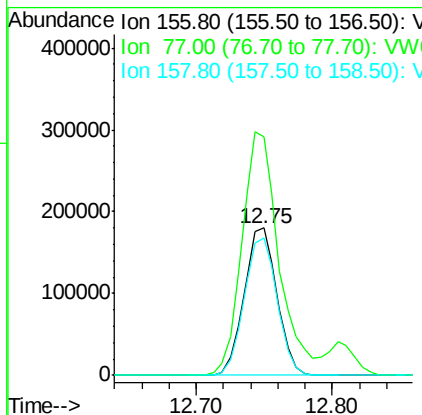
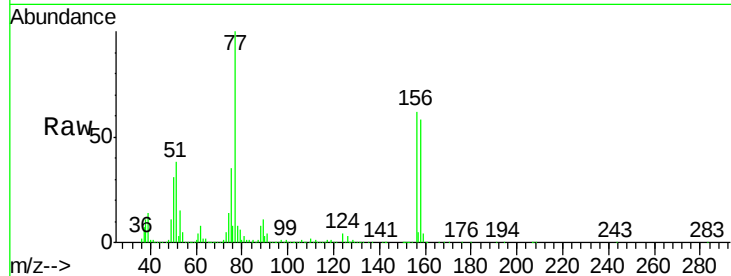
ClientSampleId :

98-SB-01-2-4MS

Tot Ion:	156	Resp:	302624
Ion Ratio	Lower	Upper	
156	100		
77	185.2	96.9	290.7
158	94.3	48.8	146.4

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#78

n-propylbenzene

Concen: 58.381 ug/l

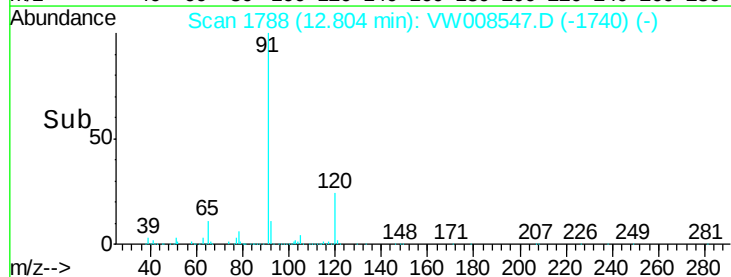
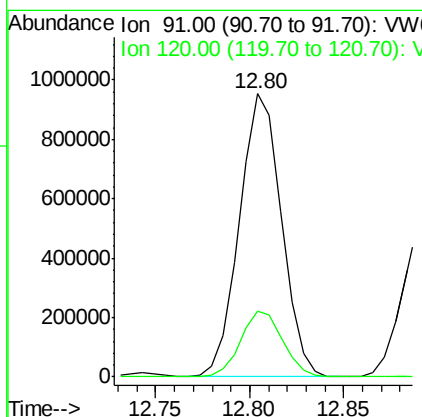
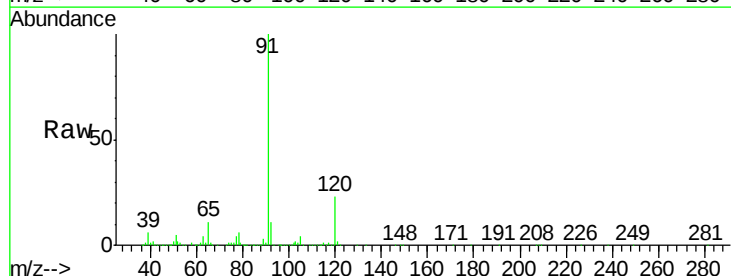
RT: 12.80 min Scan# 1788

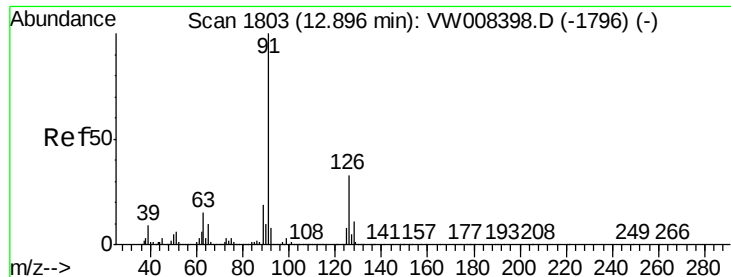
Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Tgt Ion:	91	Resp:	1472118
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.4	34.1





#79

2-Chlorotoluene

Concen: 60.350 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 91 Resp: 858719

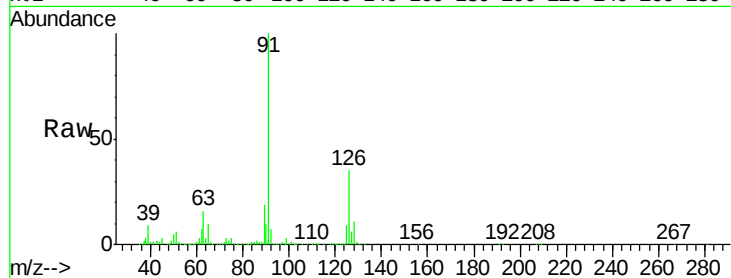
Ion Ratio Lower Upper

91 100

126 34.5 16.5 49.5

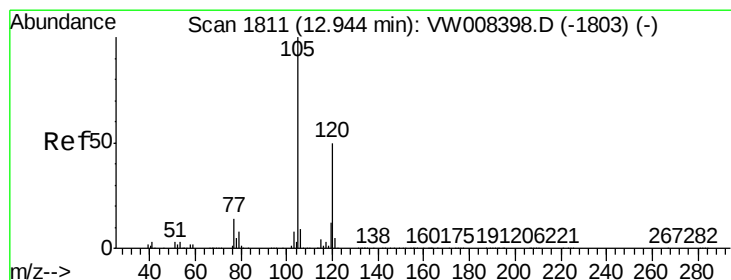
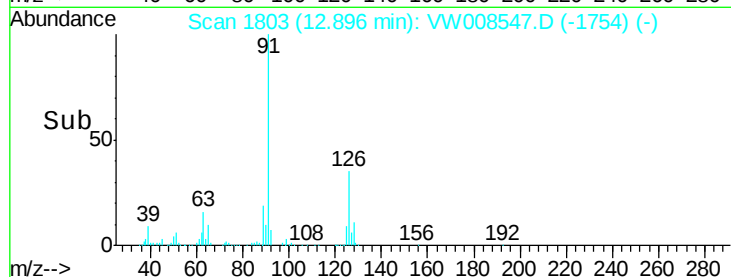
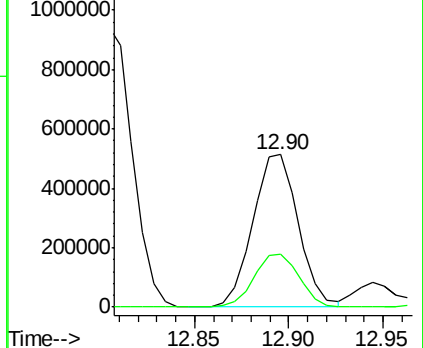
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 59.762 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008547.D

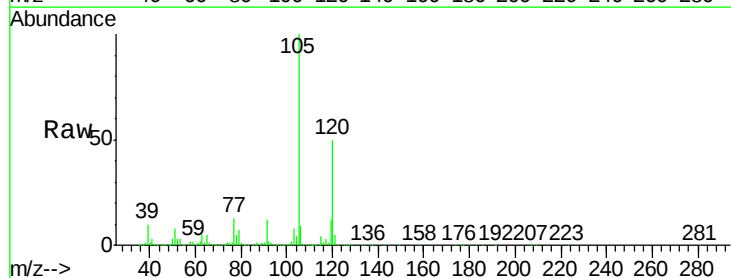
Acq: 07 Feb 2019 12:48

Tgt Ion: 105 Resp: 1048699

Ion Ratio Lower Upper

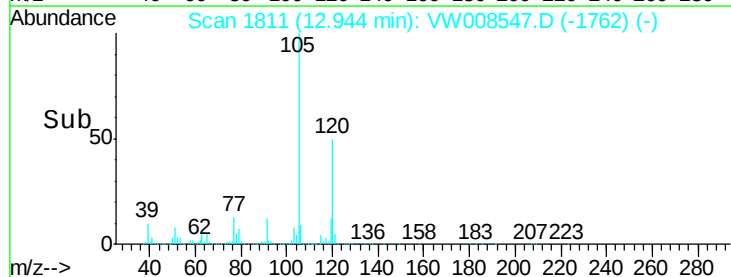
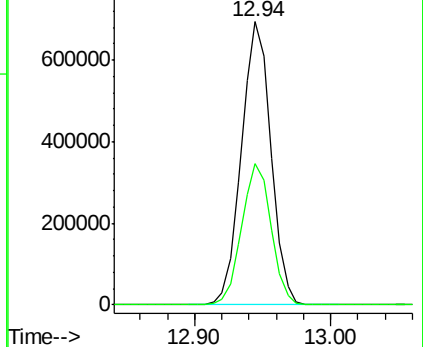
105 100

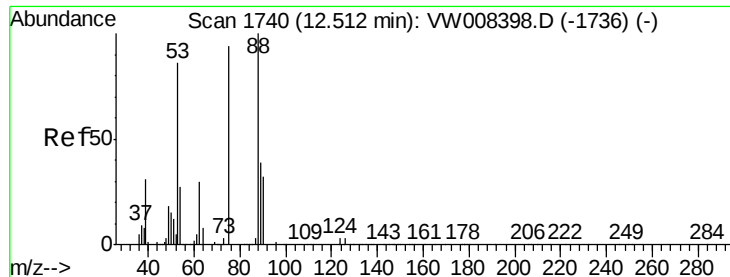
120 50.0 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





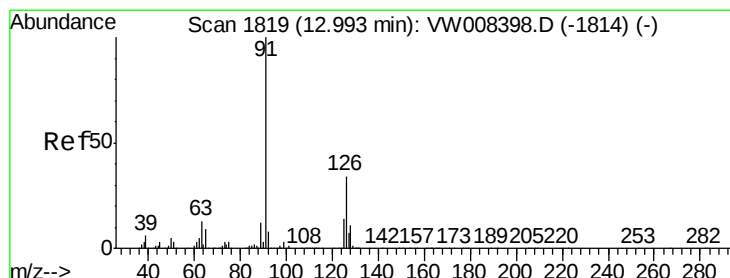
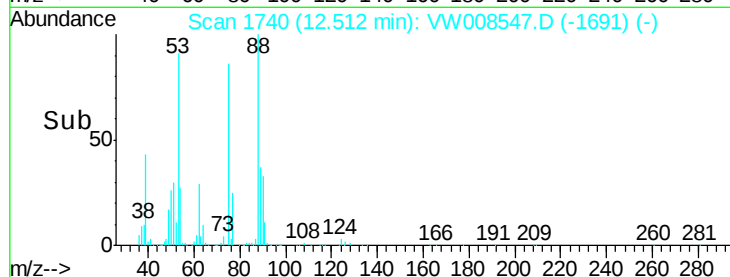
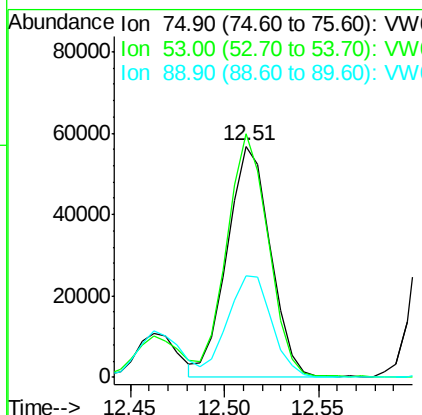
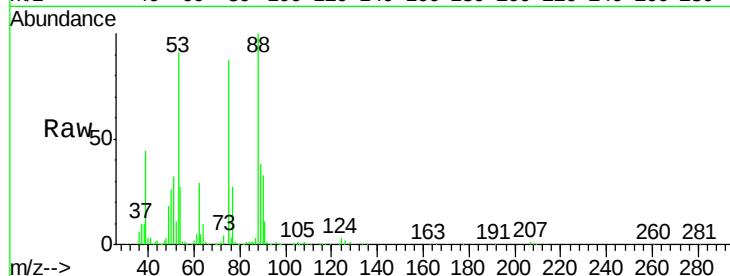
#81
trans-1,4-Dichloro-2-butene
Concen: 72.661 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	76.0	114.0
89	44.5	35.4	53.0

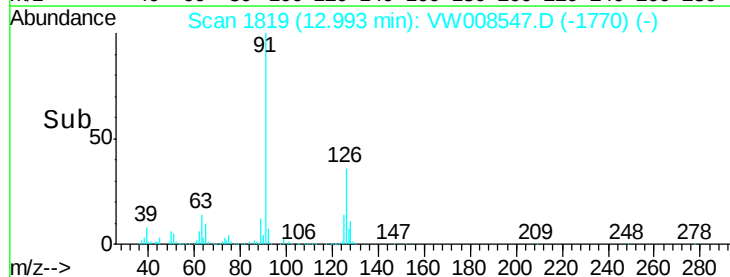
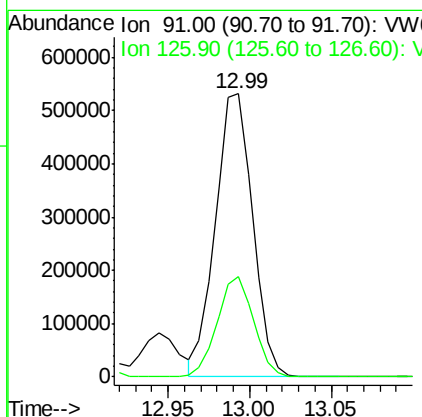
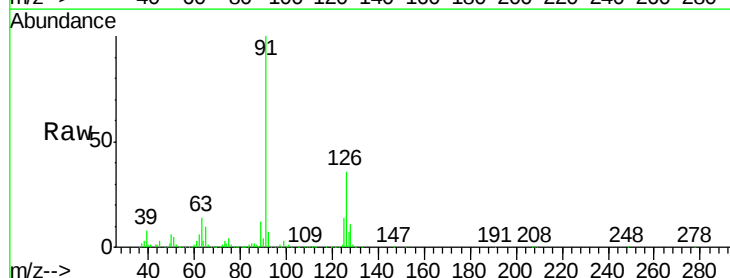
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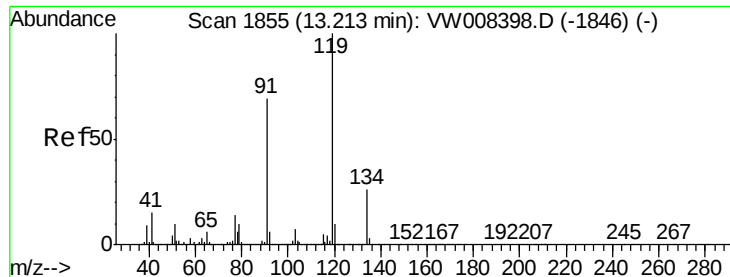
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#82
4-Chlorotoluene
Concen: 55.888 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.4	49.2





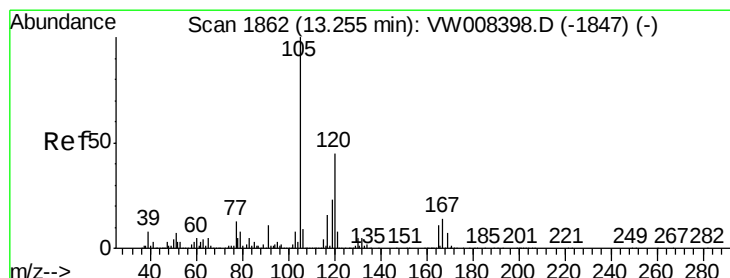
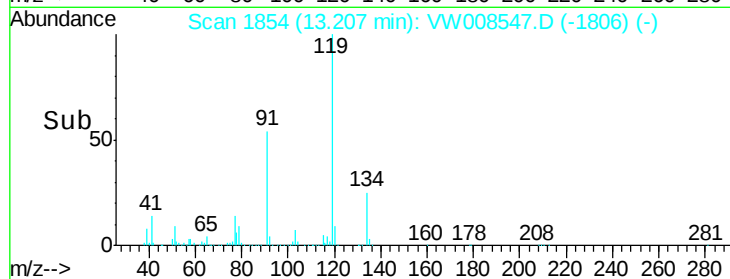
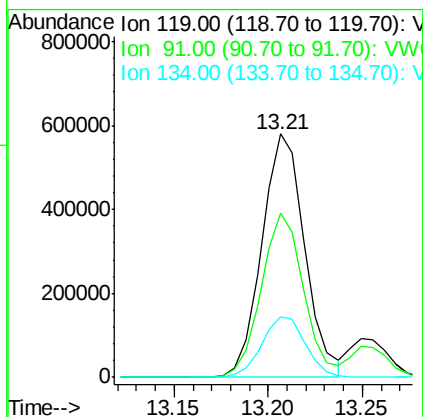
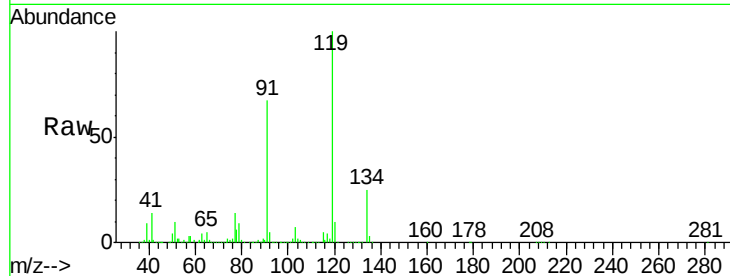
#83
tert-Butylbenzene
Concen: 58.524 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.8	101.4
134	25.6	13.5	40.4

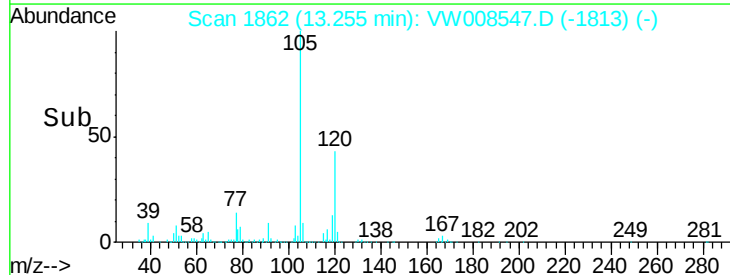
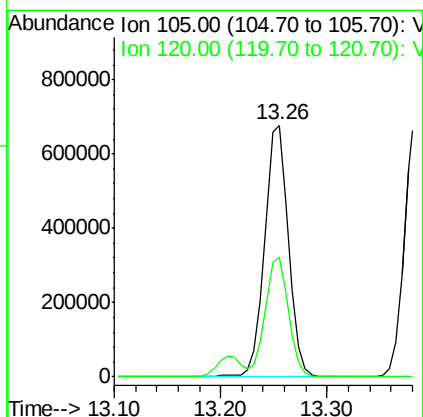
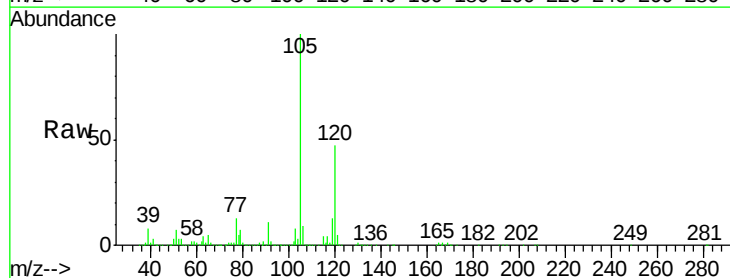
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 59.478 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 53.760 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion:105 Resp: 1198914

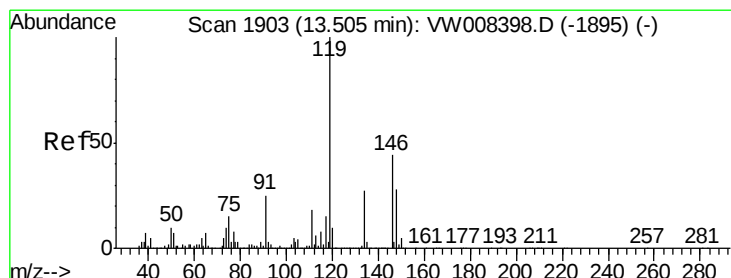
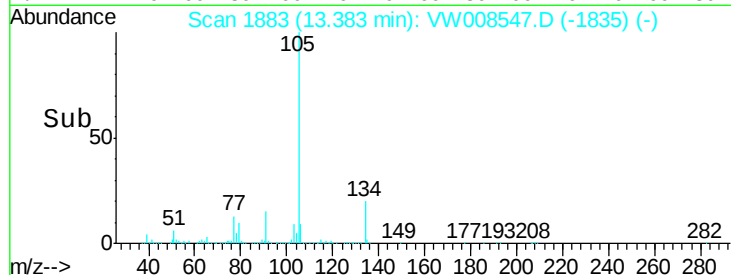
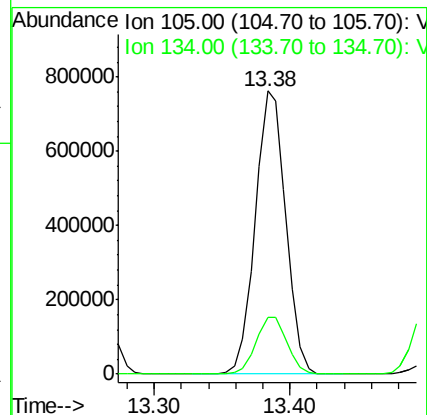
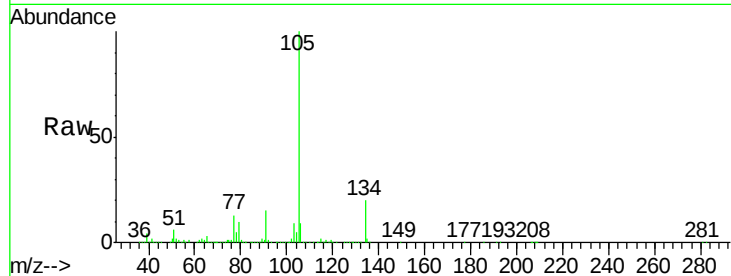
Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 55.384 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008547.D

Acq: 07 Feb 2019 12:48

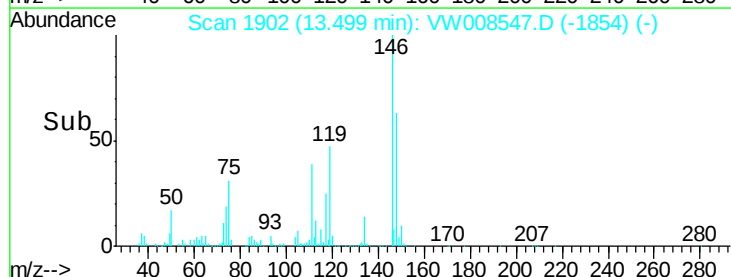
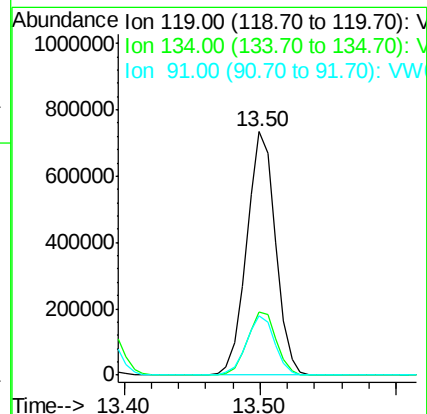
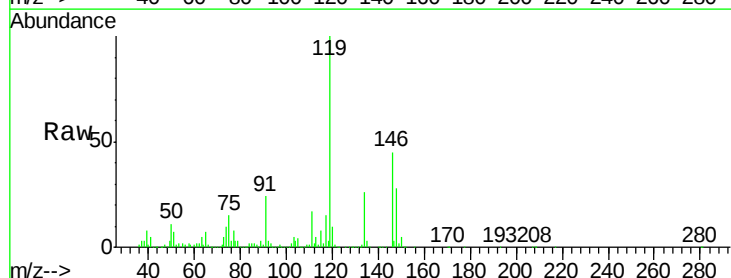
Tgt Ion:119 Resp: 1081895

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 24.1 12.6 37.6





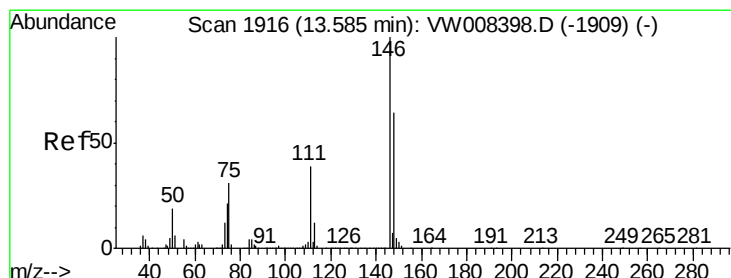
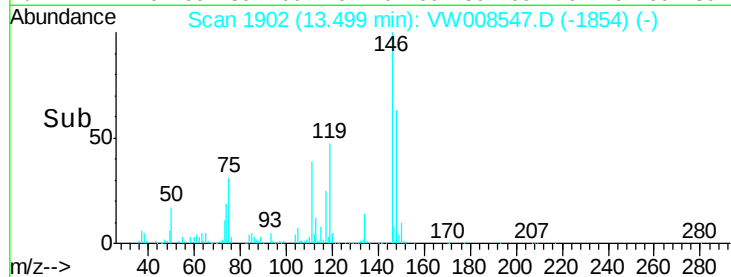
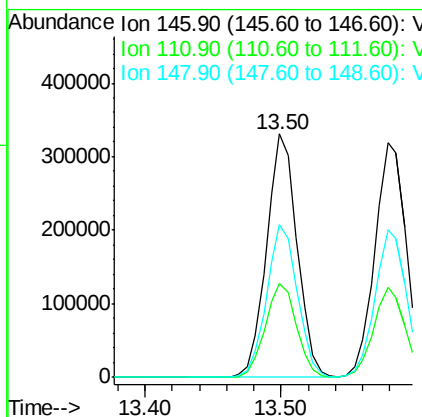
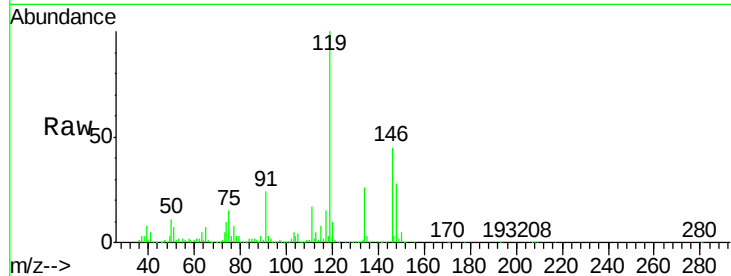
#87
 1,3-Dichlorobenzene
 Concen: 56.235 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	520721		
111	39.4	20.3	60.9	
148	63.1	31.9	95.7	

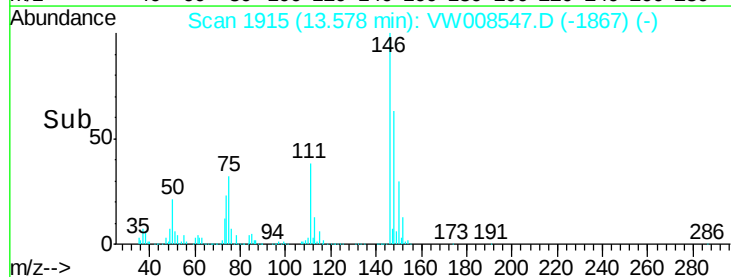
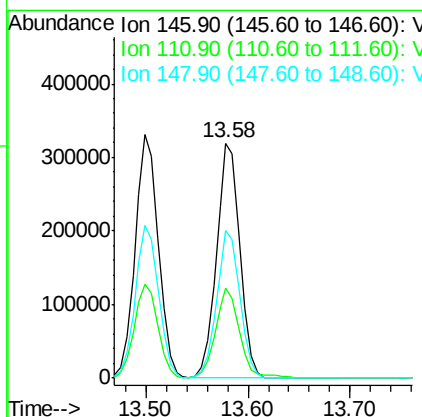
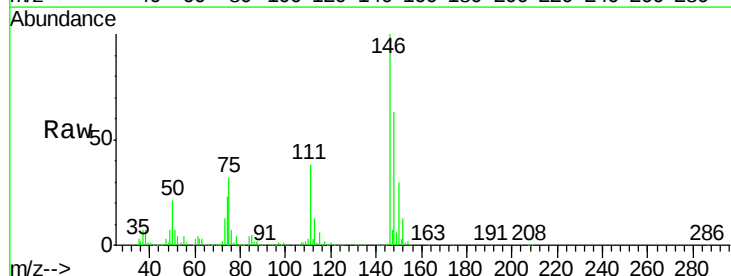
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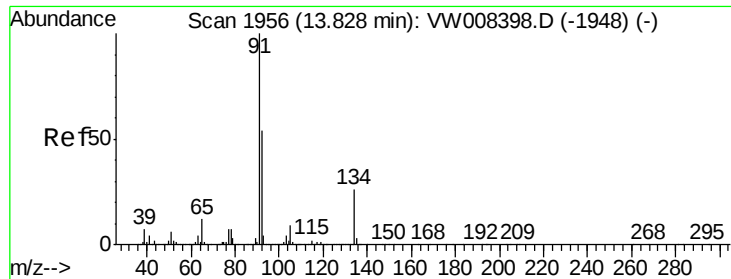
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#88
 1,4-Dichlorobenzene
 Concen: 55.363 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	509470		
111	39.6	20.0	60.0	
148	62.8	32.0	96.2	





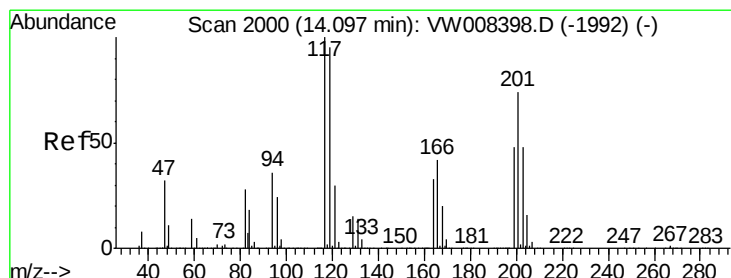
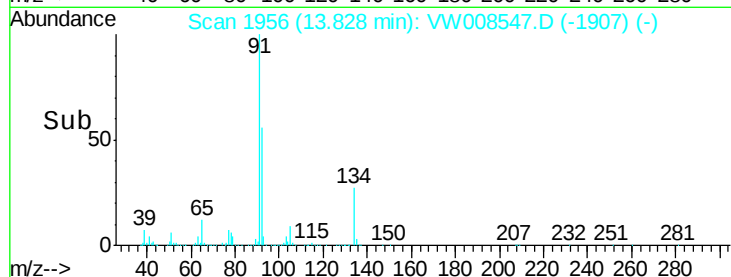
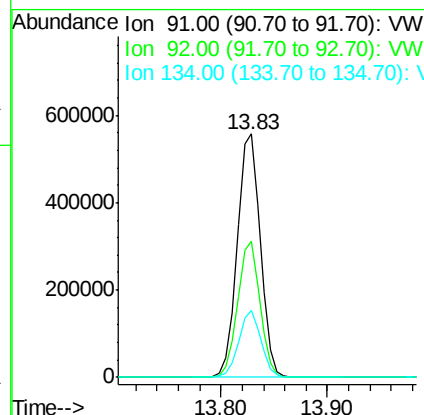
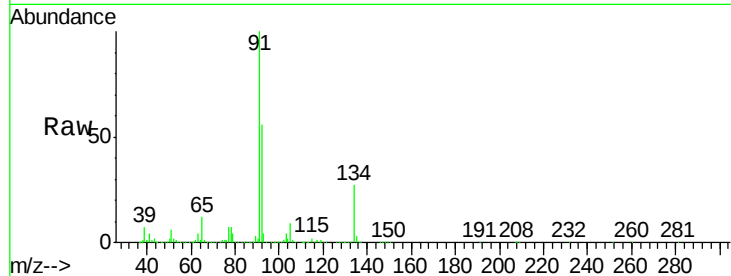
#89
n-Butylbenzene
Concen: 44.205 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.2
134	26.6	13.0	39.0

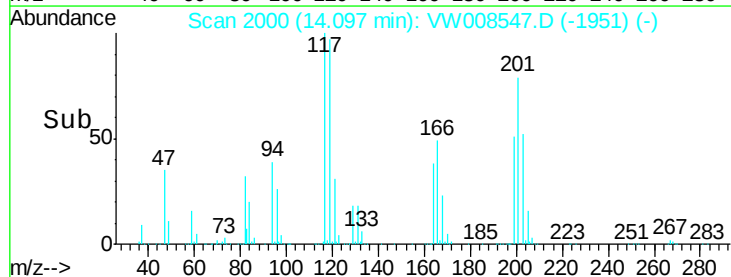
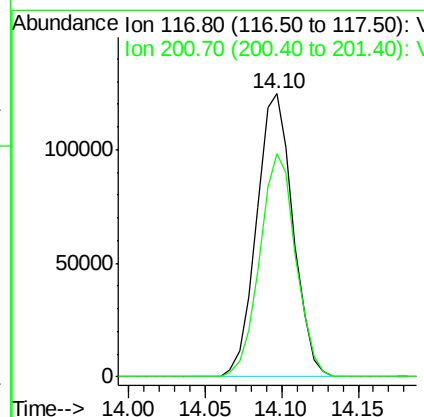
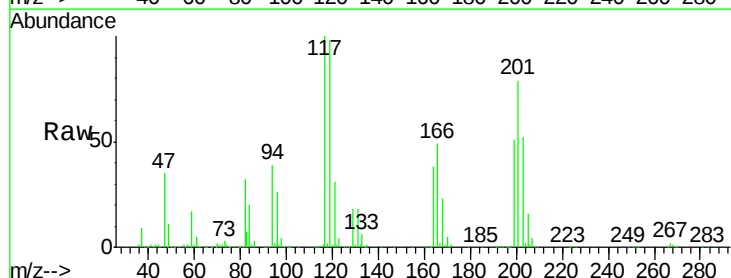
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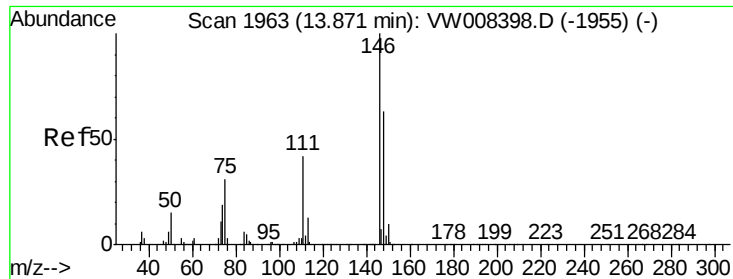
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#90
Hexachloroethane
Concen: 54.066 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.1	117.5





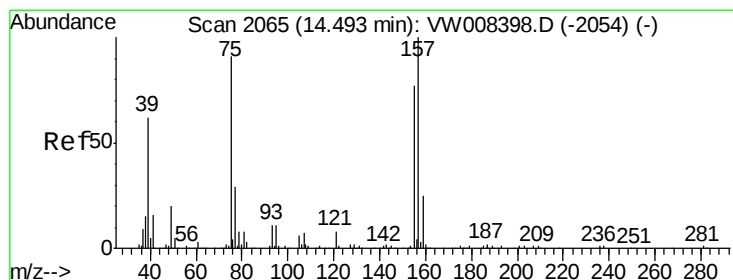
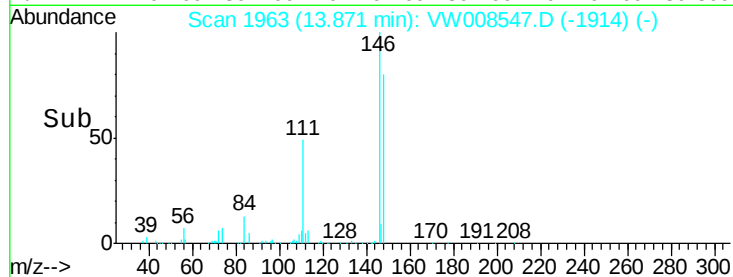
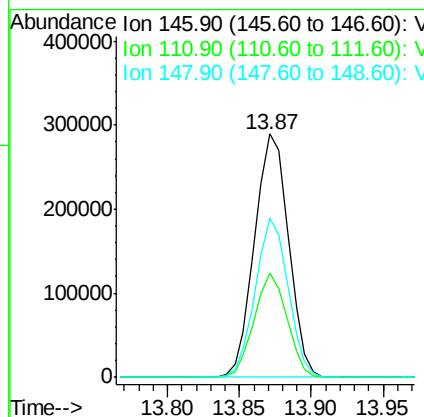
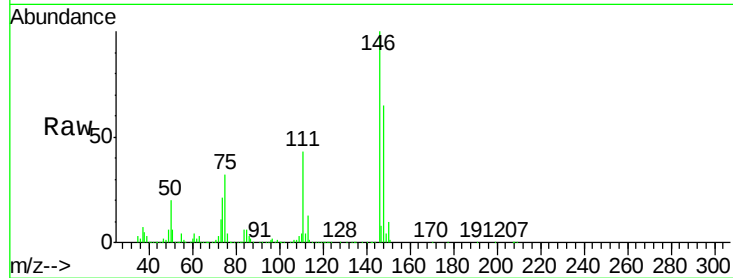
#91
 1,2-Dichlorobenzene
 Concen: 57.756 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	63.1	31.9	95.5

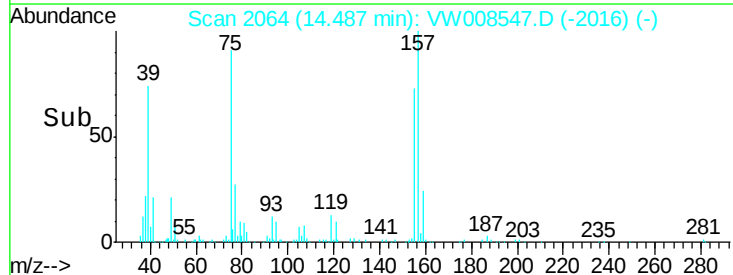
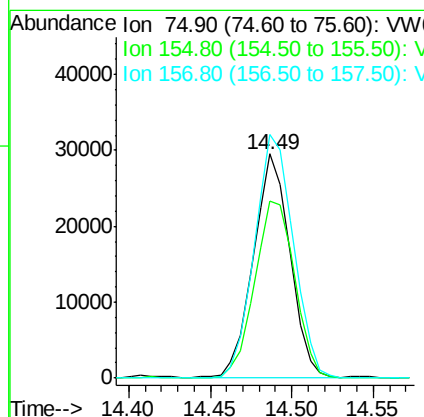
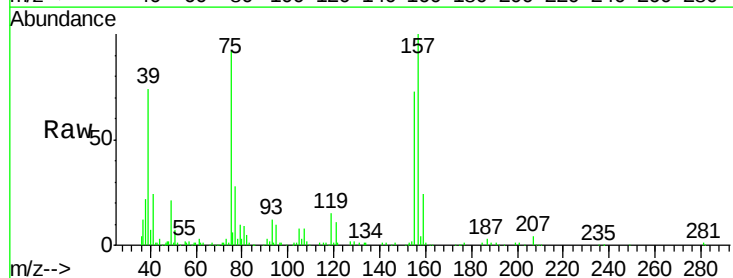
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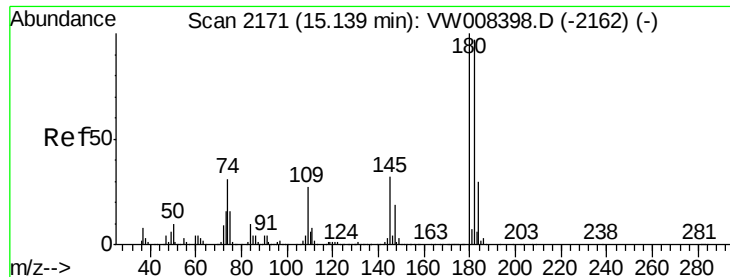
MMDadoda
 2/11/2019 12:38:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.520 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	42.7	128.1
157	114.2	55.5	166.3





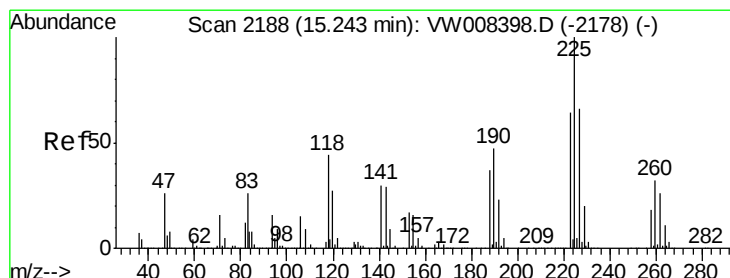
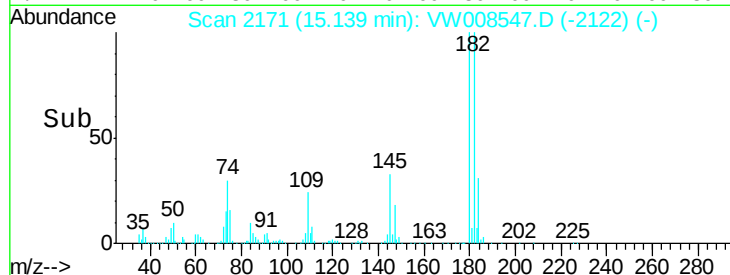
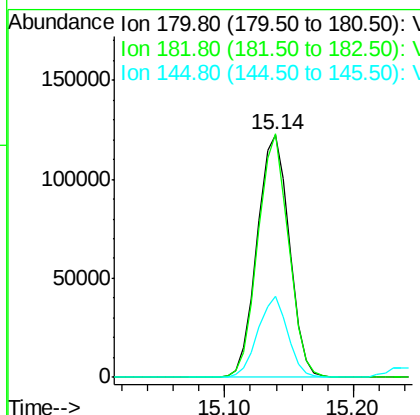
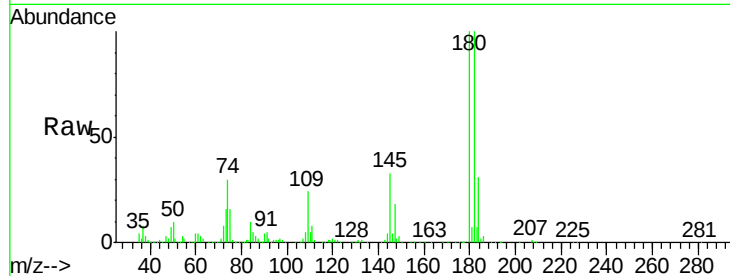
#93
 1,2,4-Trichlorobenzene
 Concen: 35.966 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	210284		
182	96.1	47.9	143.7	
145	31.3	15.5	46.5	

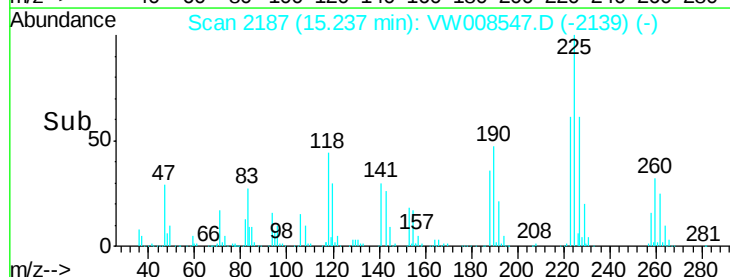
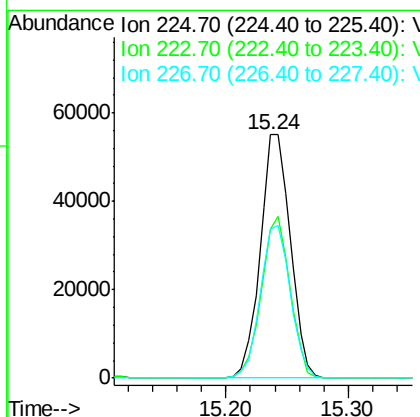
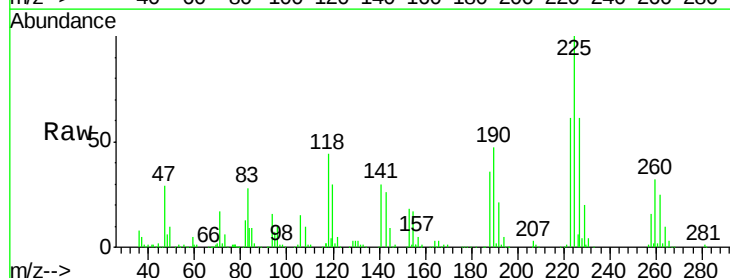
Manual Integrations
 APPROVED

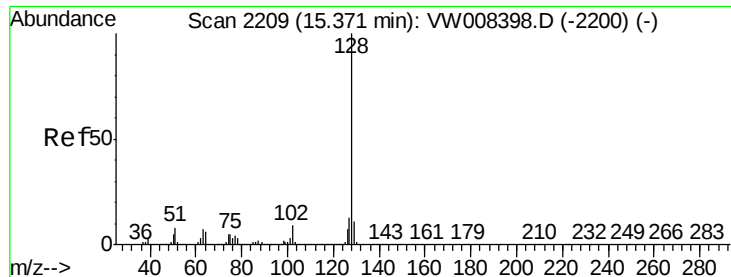
MMDadoda
 2/11/2019 12:38:38 PM



#94
 Hexachlorobutadiene
 Concen: 26.904 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008547.D
 Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94799		
223	63.6	31.7	95.1	
227	62.8	32.1	96.3	





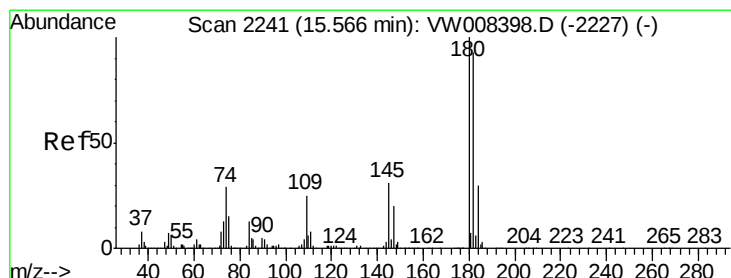
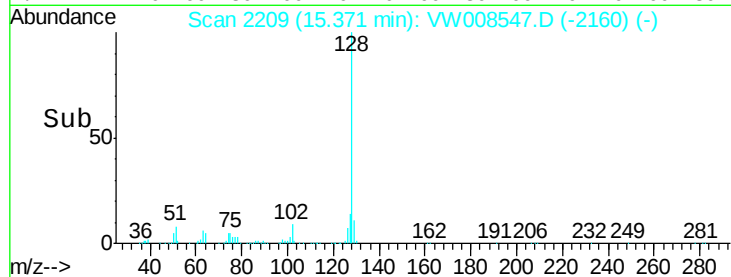
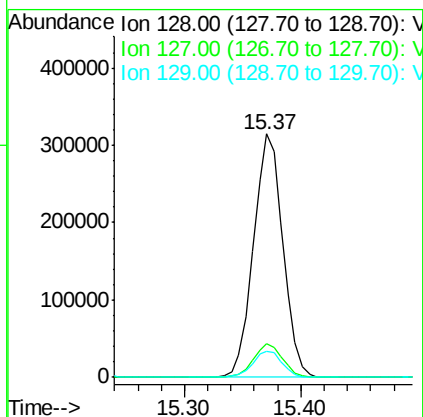
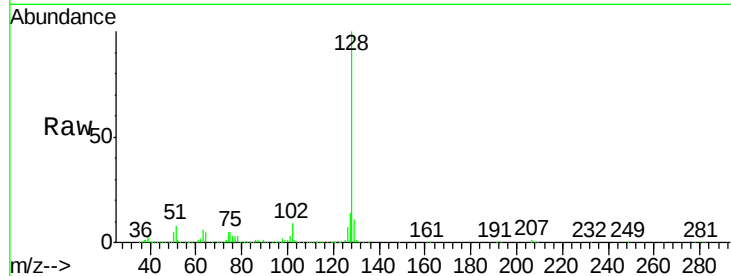
#95
Naphthalene
Concen: 53.894 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 35.764 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008547.D
Acq: 07 Feb 2019 12:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.2
145	32.0	15.9	47.6

