

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008478.D
 Acq On : 01 Feb 2019 13:44
 Operator : SY/VA
 Sample : VW0201SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Manual Integrations
 APPROVED

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 2/4/2019 4:32:30 PM

Quant Time: Feb 02 01:45:21 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	414420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	628615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	549938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	285448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	208726	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.88	113	205406	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
50) Toluene-d8	10.32	98	785931	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.62	95	287967	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33414	16.297	ug/l	98
3) Chloromethane	2.21	50	52413	15.494	ug/l	97
4) Vinyl Chloride	2.36	62	69810	16.211	ug/l	96
5) Bromomethane	2.78	94	58537	21.075	ug/l	97
6) Chloroethane	2.92	64	49283	18.713	ug/l	99
7) Trichlorofluoromethane	3.25	101	51447	17.163	ug/l	94
8) Diethyl Ether	3.67	74	36089	17.462	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	70146	18.714	ug/l	98
10) Methyl Iodide	4.26	142	109210	18.446	ug/l	100
11) Tert butyl alcohol	5.20	59	24324	74.207	ug/l	95
12) 1,1-Dichloroethene	4.03	96	66559	17.546	ug/l	98
13) Acrolein	3.89	56	26917	95.701	ug/l	95
14) Allyl chloride	4.65	41	115467	16.030	ug/l	96
15) Acrylonitrile	5.36	53	74102	83.035	ug/l	99
16) Acetone	4.12	43	74728	81.735	ug/l	94
17) Carbon Disulfide	4.37	76	202546	16.719	ug/l	100
18) Methyl Acetate	4.67	43	39716	16.287	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	115812	18.453	ug/l	97
20) Methylene Chloride	4.91	84	76255	18.096	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	78527	18.414	ug/l	95
22) Diisopropyl ether	6.30	45	219981	16.114	ug/l	93
23) Vinyl Acetate	6.24	43	658286	81.664	ug/l	99
24) 1,1-Dichloroethane	6.20	63	132041	17.088	ug/l	99
25) 2-Butanone	7.17	43	103459	81.470	ug/l	97
26) 2,2-Dichloropropane	7.16	77	95210	18.228	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	82109	17.667	ug/l	96
28) Bromochloromethane	7.51	49	62738	17.677	ug/l	91
29) Tetrahydrofuran	7.52	42	64176	79.748	ug/l	95
30) Chloroform	7.67	83	131317	17.277	ug/l	95
31) Cyclohexane	7.95	56	130310	16.309	ug/l	# 90
32) 1,1,1-Trichloroethane	7.87	97	118226	18.009	ug/l	98
36) 1,1-Dichloropropene	8.07	75	109533	18.446	ug/l	98
37) Ethyl Acetate	7.25	43	46090	17.544	ug/l	97
38) Carbon Tetrachloride	8.06	117	114655	19.188	ug/l	97

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 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)
39) Methylcyclohexane	9.33	83	142718	18.296	ug/l	95
40) Benzene	8.32	78	299343	18.167	ug/l	97
41) Methacrylonitrile	7.48	41	26786	17.219	ug/l	94
42) 1,2-Dichloroethane	8.40	62	85722	17.952	ug/l	99
43) Isopropyl Acetate	8.42	43	94635	17.339	ug/l #	98
44) Trichloroethene	9.09	130	84389	18.834	ug/l	97
45) 1,2-Dichloropropane	9.37	63	72712	17.698	ug/l	98
46) Dibromomethane	9.45	93	39025	18.468	ug/l	96
47) Bromodichloromethane	9.64	83	99599	17.820	ug/l	99
48) Methyl methacrylate	9.43	41	42752	16.020	ug/l	98
49) 1,4-Dioxane	9.45	88	10939	306.263	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	228290	84.665	ug/l	98
52) Toluene	10.38	92	195278	17.954	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	104599	17.588	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	120507	17.855	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	53654	18.306	ug/l	96
56) Ethyl methacrylate	10.65	69	70709	17.217	ug/l	94
57) 1,3-Dichloropropane	10.93	76	93735	17.851	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	196009	98.229	ug/l	95
59) 2-Hexanone	10.97	43	165680	87.038	ug/l	99
60) Dibromochloromethane	11.13	129	69164	18.363	ug/l	98
61) 1,2-Dibromoethane	11.23	107	53347	18.356	ug/l	99
64) Tetrachloroethene	10.86	164	73320	19.692	ug/l	97
65) Chlorobenzene	11.66	112	211626	18.851	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	76673	19.089	ug/l	99
67) Ethyl Benzene	11.73	91	375667	18.205	ug/l	100
68) m/p-Xylenes	11.84	106	292896	36.582	ug/l	97
69) o-Xylene	12.16	106	138400	18.193	ug/l	97
70) Styrene	12.18	104	223229	17.765	ug/l	97
71) Bromoform	12.35	173	41041	18.161	ug/l #	99
73) Isopropylbenzene	12.46	105	383733	18.032	ug/l	99
74) N-amyl acetate	12.27	43	90691	16.543	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	61131	18.144	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	43377m	17.478	ug/l	
77) Bromobenzene	12.75	156	88338	19.008	ug/l	92
78) n-propylbenzene	12.80	91	457131	17.885	ug/l	98
79) 2-Chlorotoluene	12.89	91	255240	17.697	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	320833	18.037	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	21148	16.830	ug/l	95
82) 4-Chlorotoluene	12.99	91	270150	17.592	ug/l	98
83) tert-Butylbenzene	13.21	119	288308	18.215	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	324815	17.966	ug/l	99
85) sec-Butylbenzene	13.38	105	407000	18.005	ug/l	98
86) p-Isopropyltoluene	13.50	119	363373	18.351	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	175158	18.662	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	175261	18.789	ug/l	99
89) n-Butylbenzene	13.83	91	342867	17.636	ug/l	99
90) Hexachloroethane	14.10	117	69341	17.907	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	154731	18.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10823	16.930	ug/l	96

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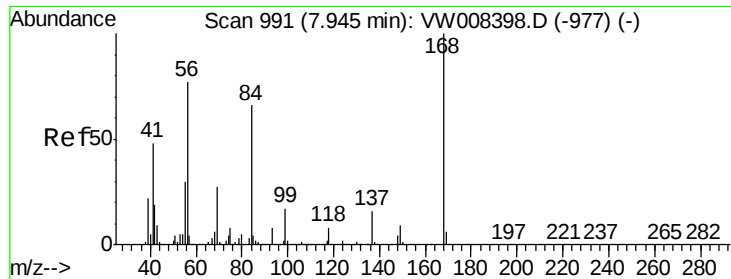
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	118720	20.032	ug/l	98
94) Hexachlorobutadiene	15.24	225	71769	20.094	ug/l	98
95) Naphthalene	15.37	128	197182	18.949	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	100129	19.917	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion:168 Resp: 414420

Ion Ratio Lower Upper

168 100

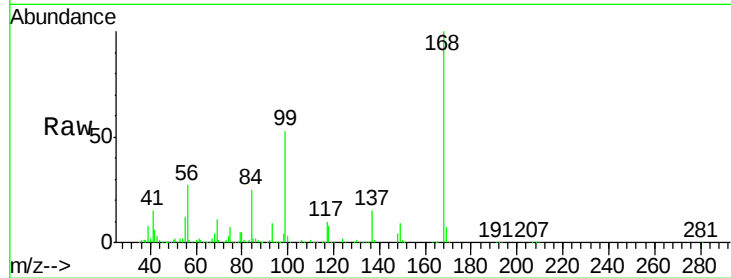
99 52.8 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

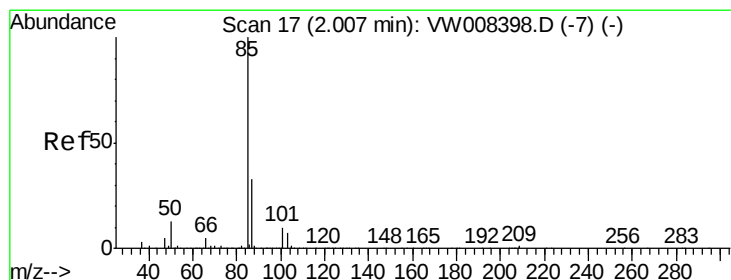
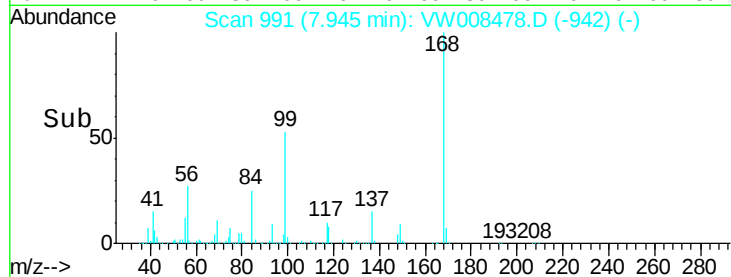
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.297 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008478.D

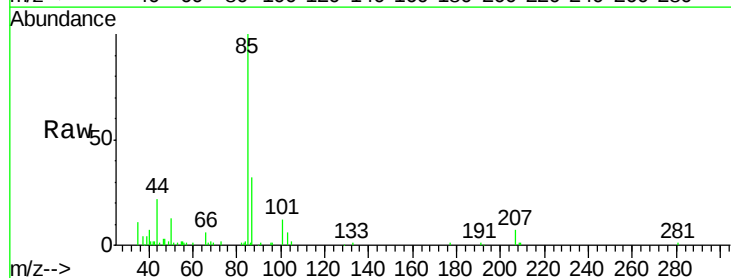
Acq: 01 Feb 2019 13:44

Tgt Ion: 85 Resp: 33414

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

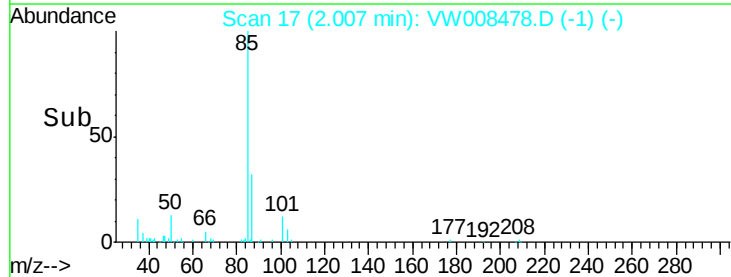
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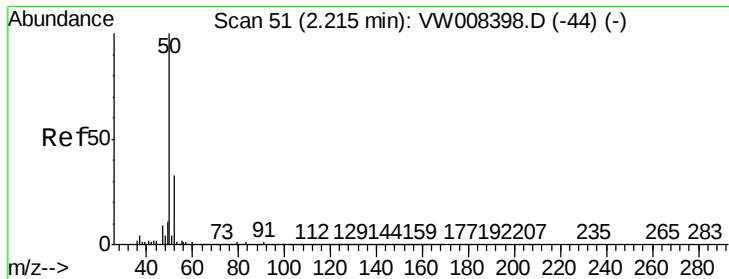
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 15.494 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 50 Resp: 52413

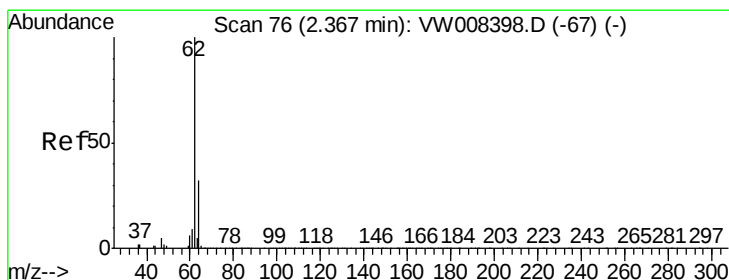
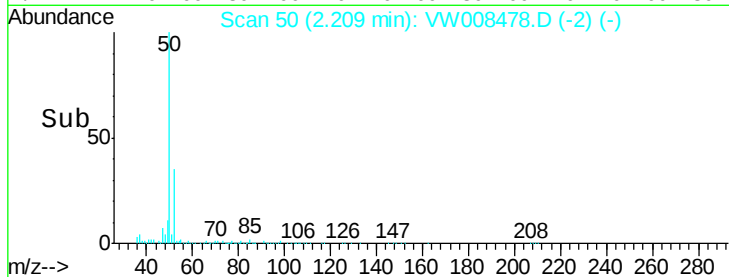
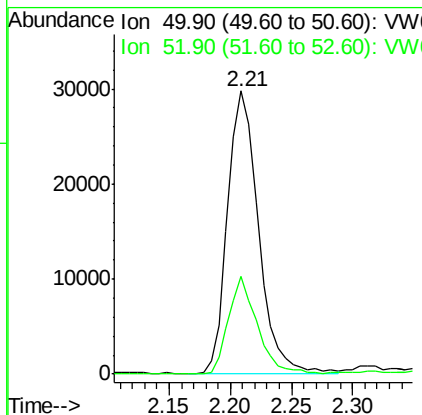
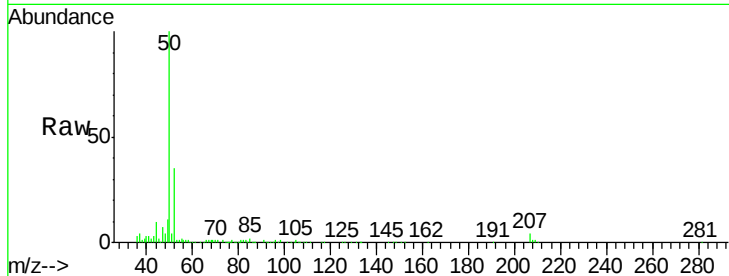
Ion Ratio Lower Upper

50 100

52 34.6 26.3 39.5

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#4

Vinyl Chloride

Concen: 16.211 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008478.D

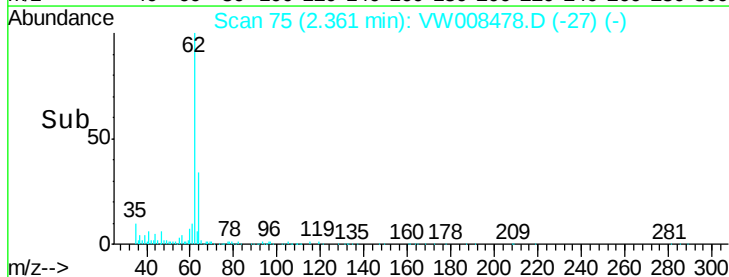
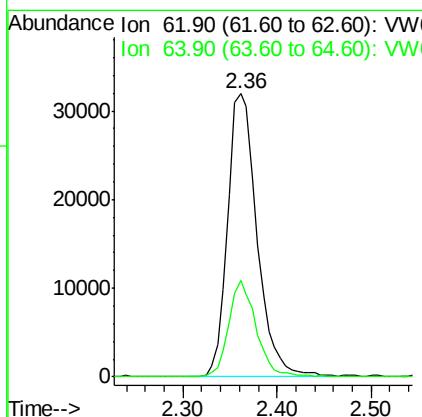
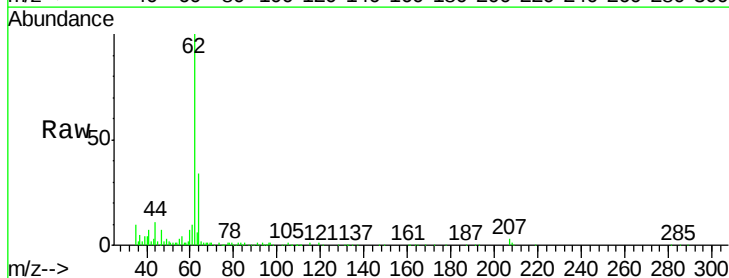
Acq: 01 Feb 2019 13:44

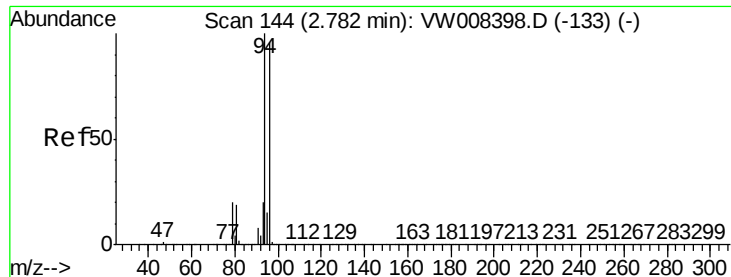
Tgt Ion: 62 Resp: 69810

Ion Ratio Lower Upper

62 100

64 34.2 25.5 38.3





#5

Bromomethane

Concen: 21.075 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

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ClientSampleId :

VW0201SBS01

Tot Ion: 94 Resp: 58537

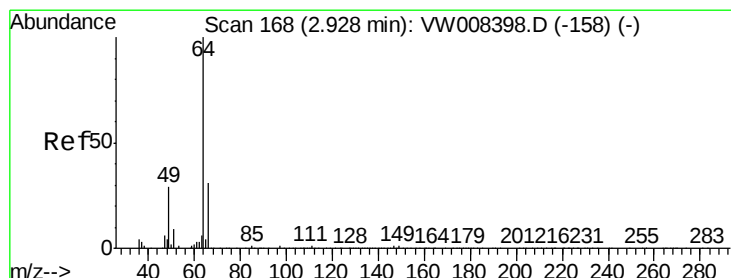
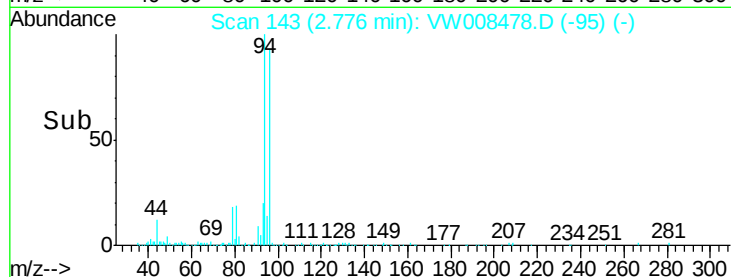
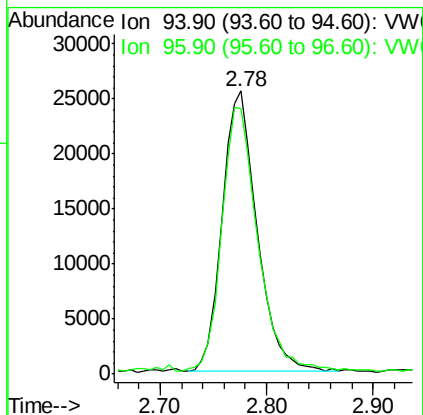
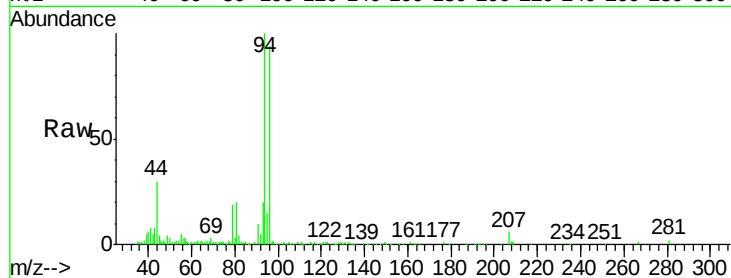
Ion Ratio Lower Upper

94 100

96 93.1 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 18.713 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008478.D

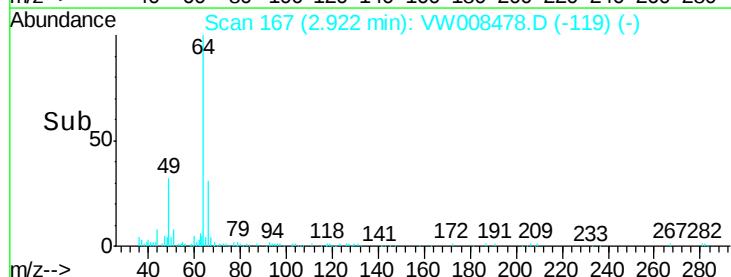
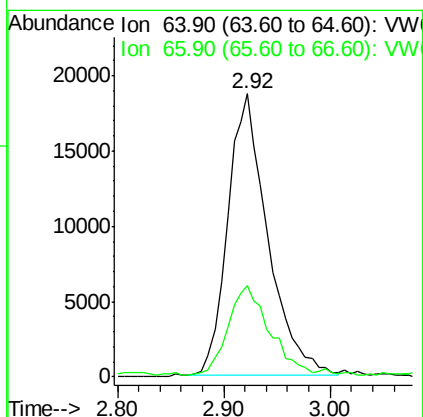
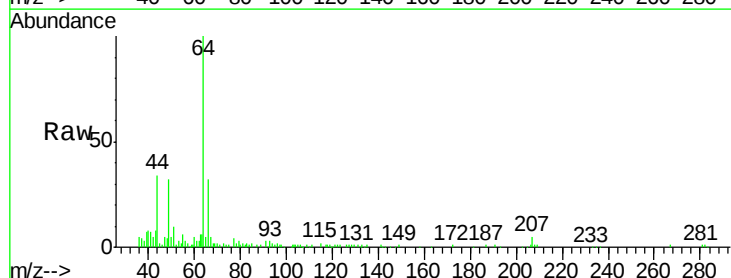
Acq: 01 Feb 2019 13:44

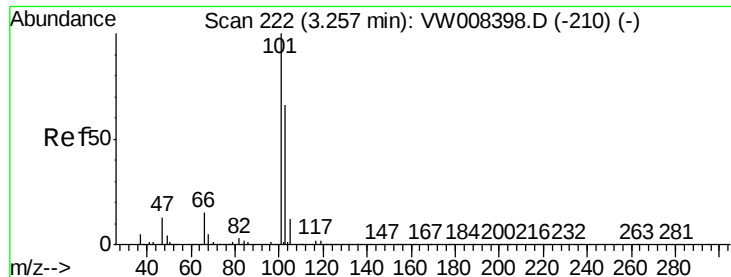
Tgt Ion: 64 Resp: 49283

Ion Ratio Lower Upper

64 100

66 31.9 24.9 37.3





#7

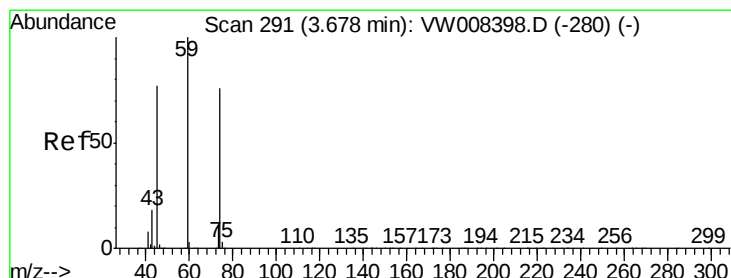
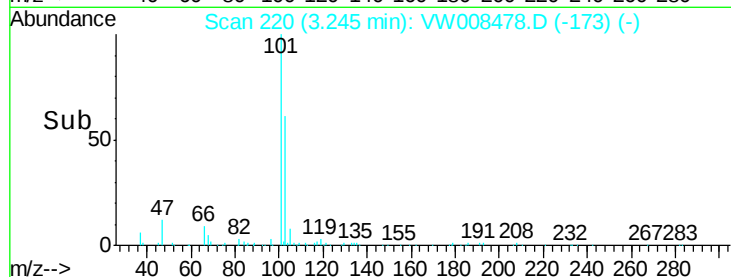
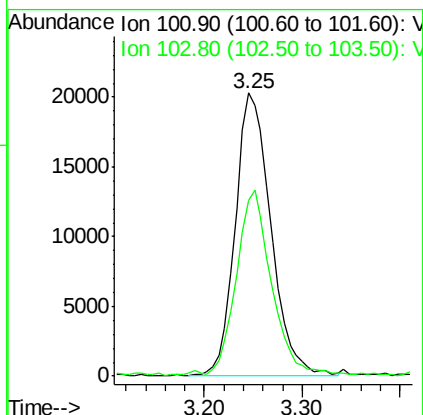
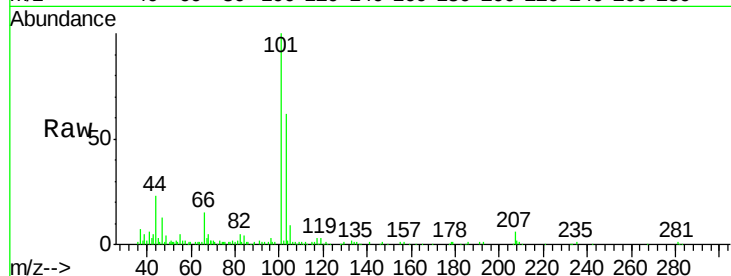
Trichlorofluoromethane
Concen: 17.163 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008478.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	52.5	78.7

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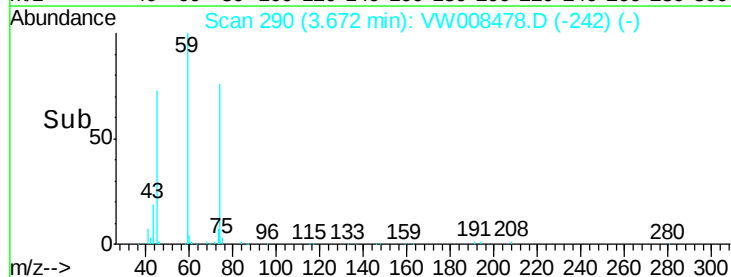
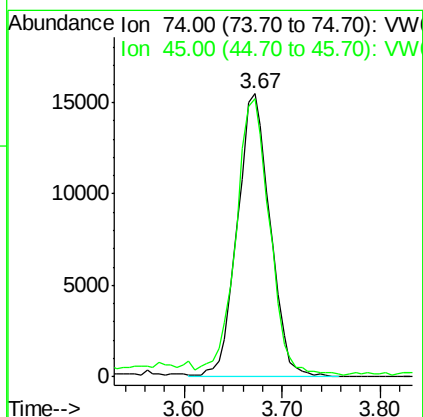
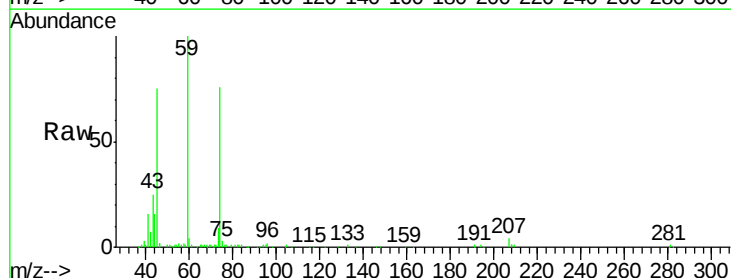
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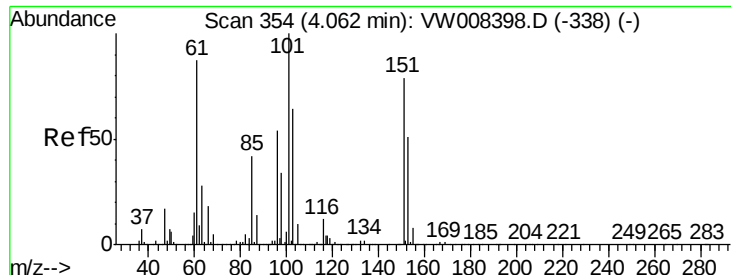


#8

Diethyl Ether
Concen: 17.462 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.714 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

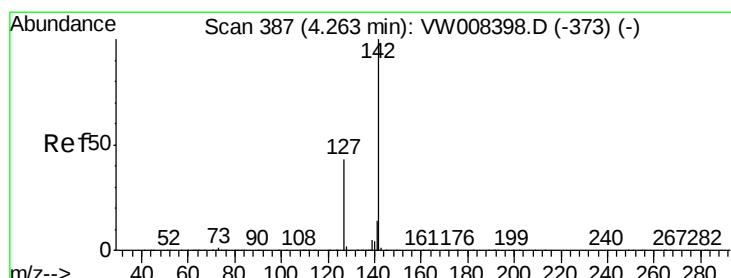
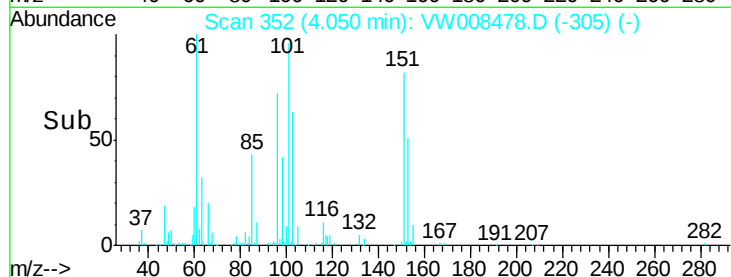
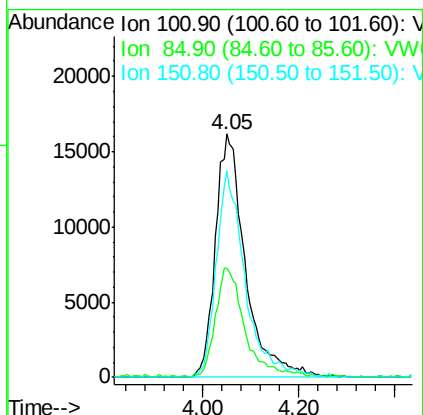
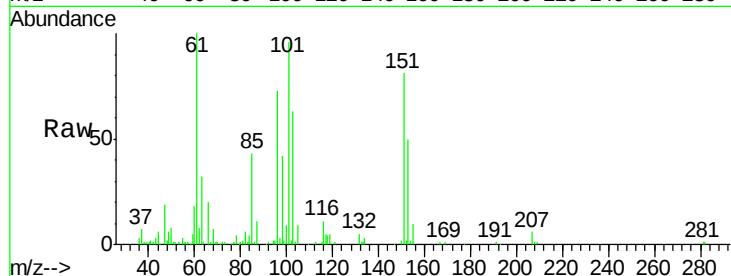
ClientSampleId :

VW0201SBS01

Tot Ion:	101	Resp:	70146
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.0	52.4
151	79.9	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.446 ug/l

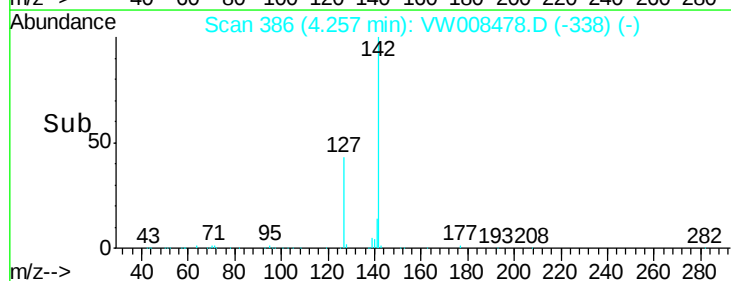
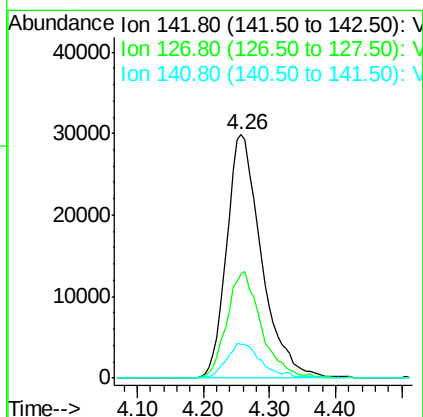
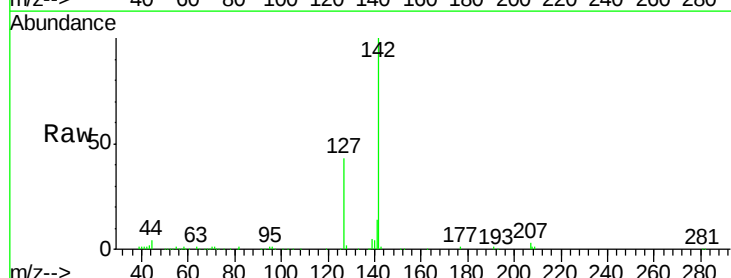
RT: 4.26 min Scan# 386

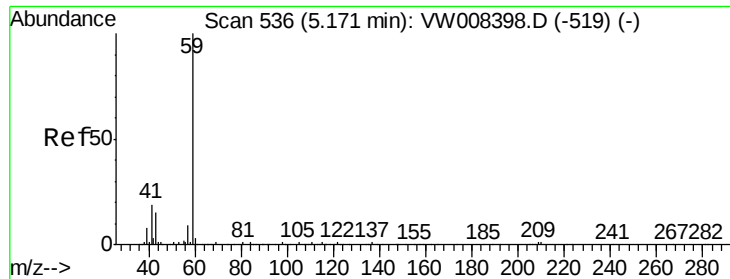
Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:	142	Resp:	109210
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.6	52.0
141	14.4	11.4	17.2





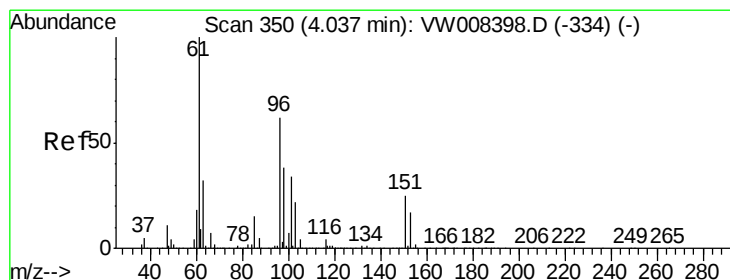
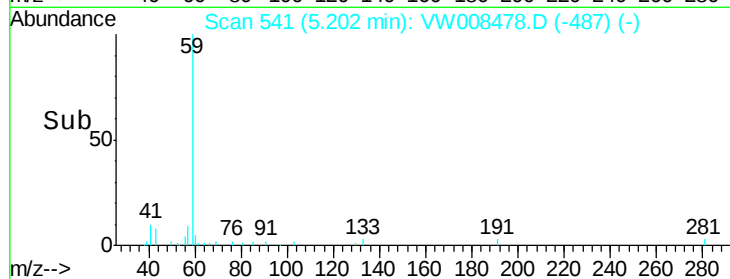
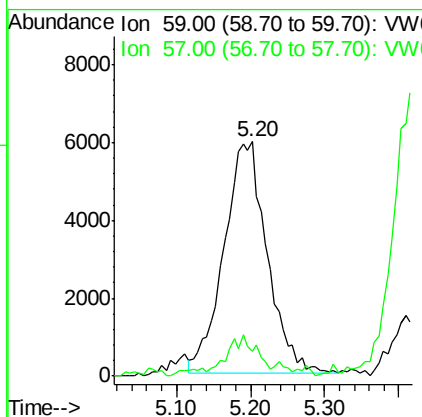
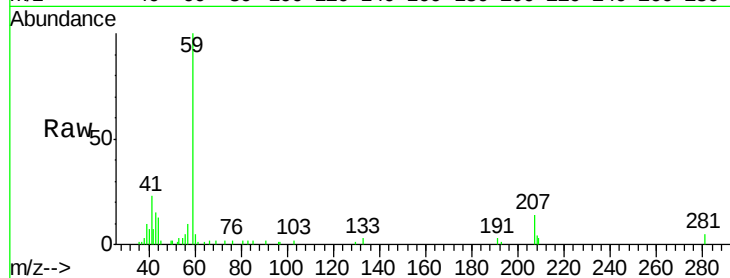
#11
Tert butyl alcohol
Concen: 74.207 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.03 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	59	Resp	24324
Ion Ratio	100	Lower	Upper
57	9.7	9.3	13.9

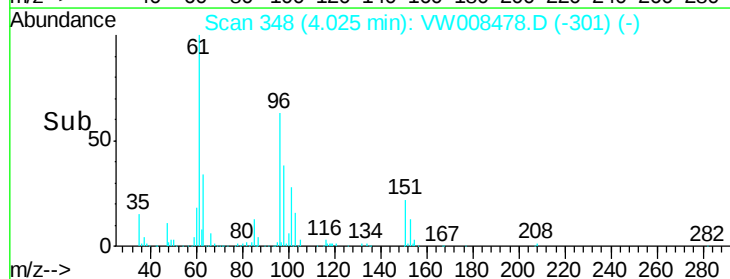
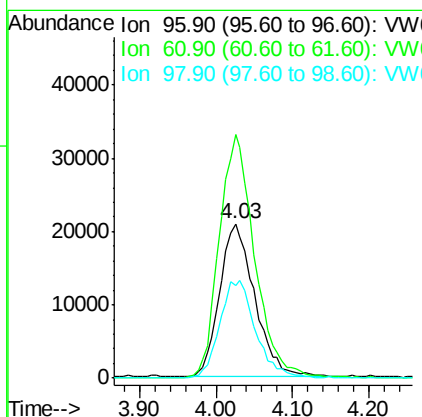
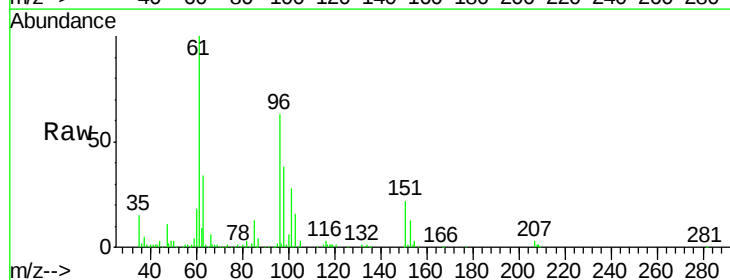
Manual Integrations
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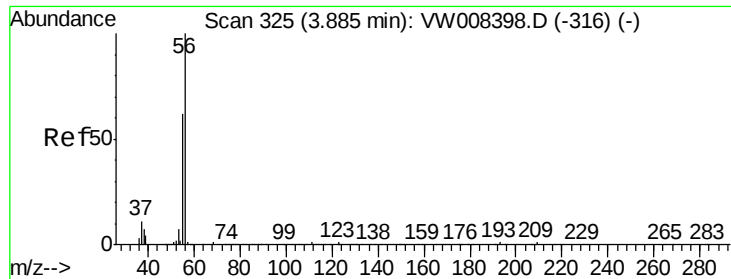
MMDadoda
2/4/2019 4:32:30 PM



#12
1,1-Dichloroethene
Concen: 17.546 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	96	Resp	66559
Ion Ratio	100	Lower	Upper
61	158.2	129.5	194.3
98	60.2	48.6	73.0





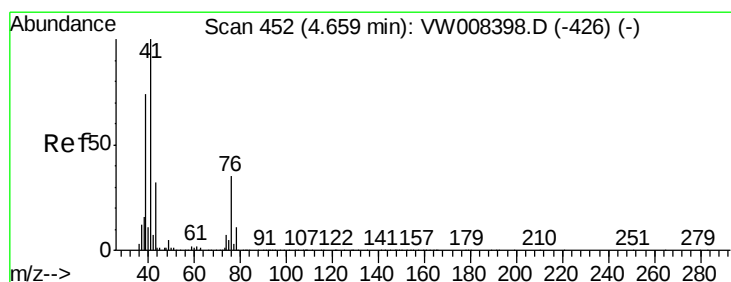
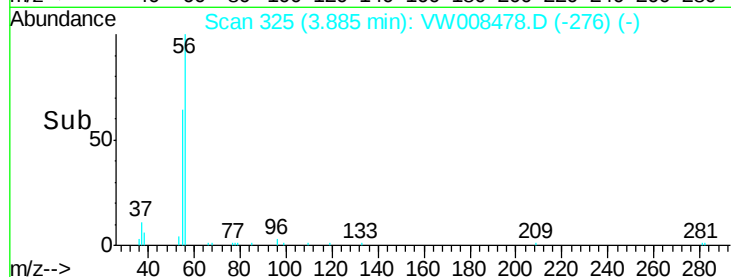
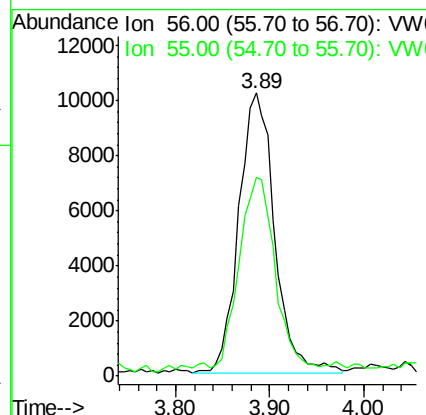
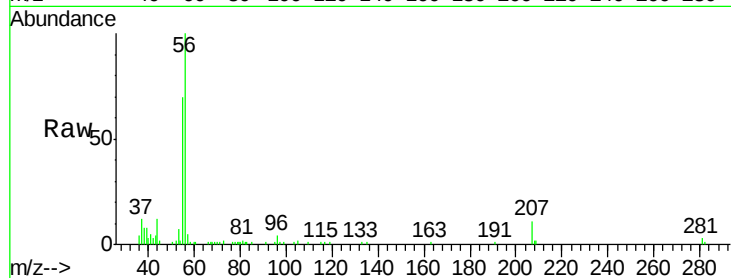
#13
Acrolein
Concen: 95.701 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	56	Resp	26917
Ion Ratio	100	Lower	Upper
55	66.7	56.7	85.1

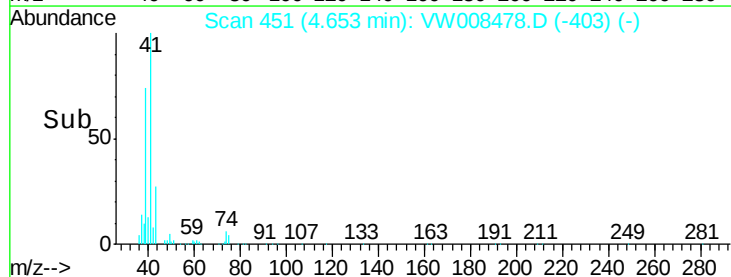
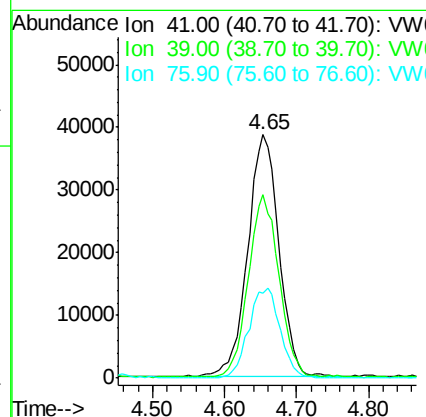
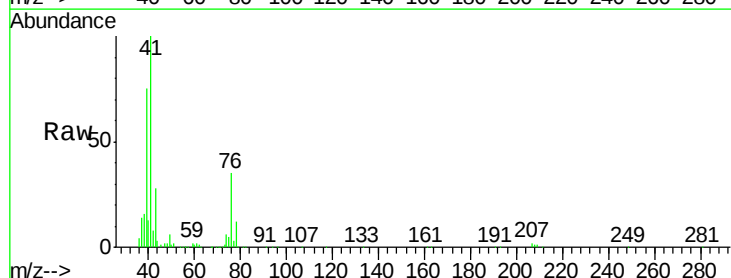
Manual Integrations
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2/4/2019 4:32:30 PM



#14
Allyl chloride
Concen: 16.030 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	41	Resp	115467
Ion Ratio	100	Lower	Upper
39	73.7	57.7	86.5
76	37.5	26.9	40.3





#15

Acrylonitrile

Concen: 83.035 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

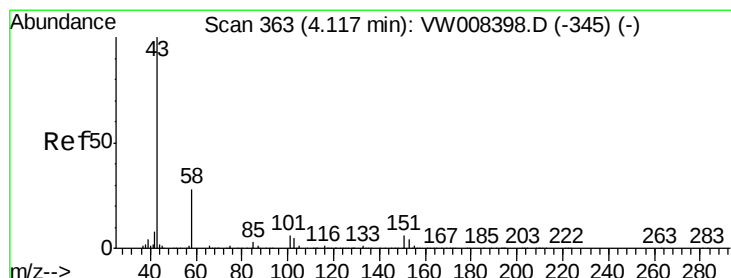
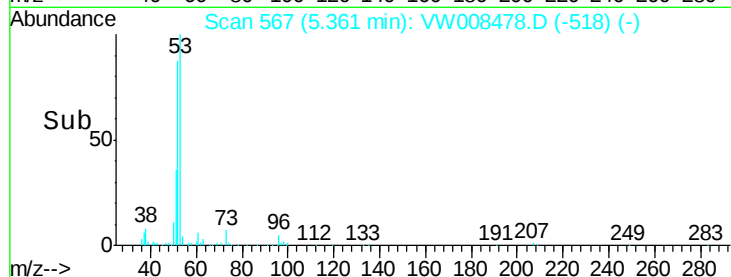
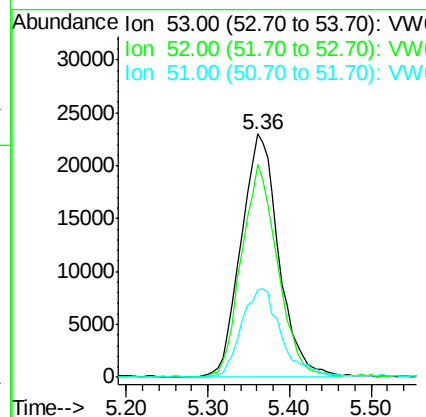
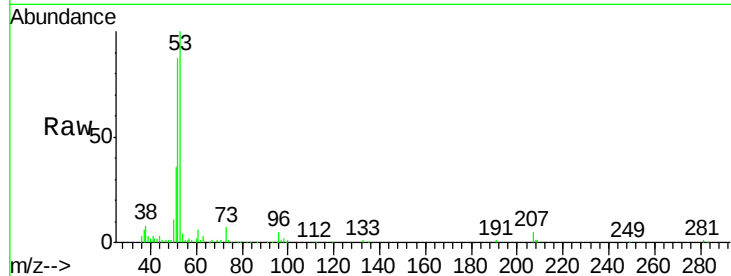
ClientSampleId :

VW0201SBS01

Tot Ion:	53	Resp:	74102
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.0	100.4
51	38.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 81.735 ug/l

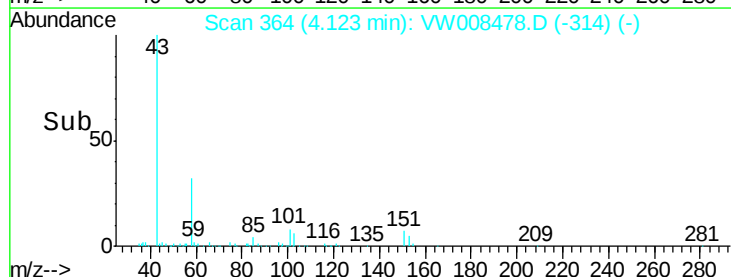
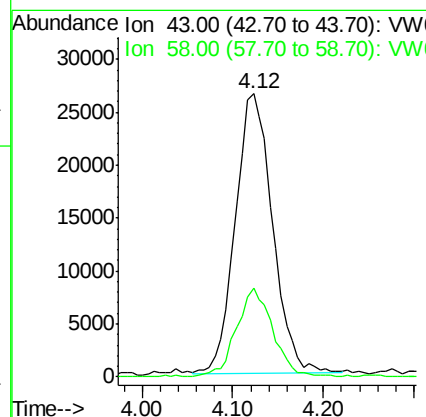
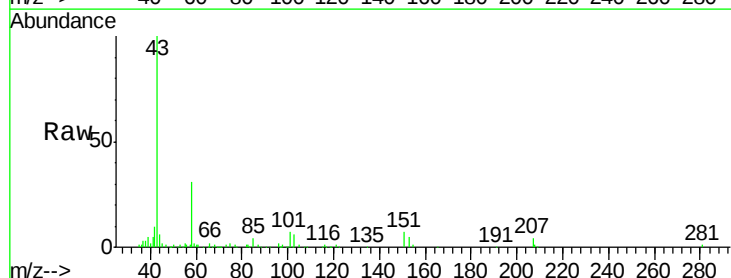
RT: 4.12 min Scan# 364

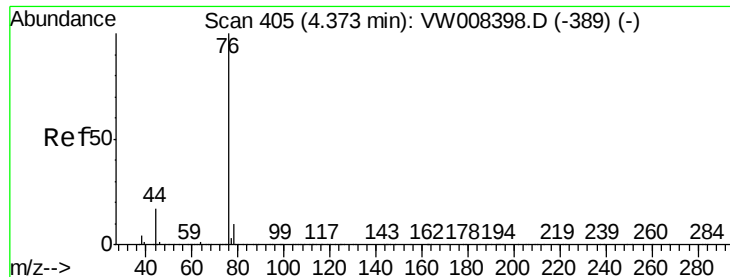
Delta R.T. 0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:	43	Resp:	74728
Ion	Ratio	Lower	Upper
43	100		
58	31.6	22.6	34.0





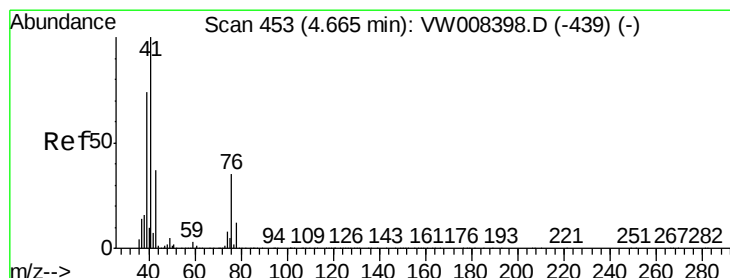
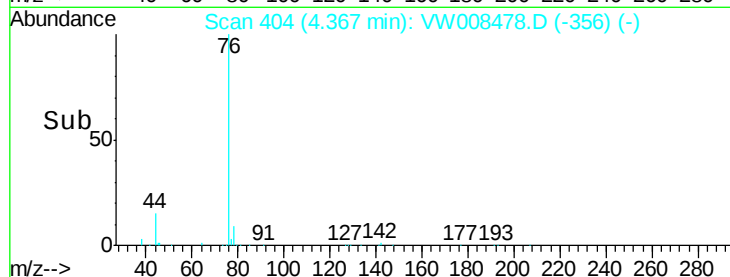
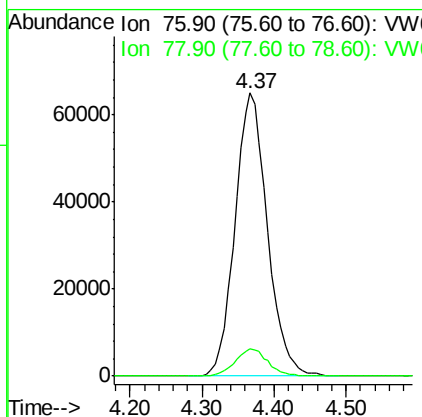
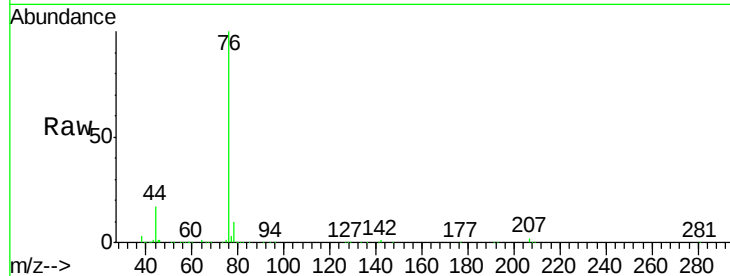
#17
Carbon Disulfide
Concen: 16.719 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.7	11.5

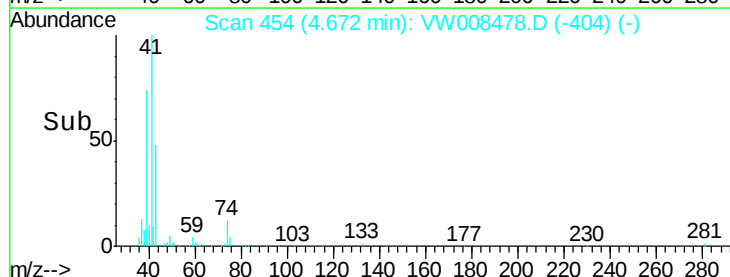
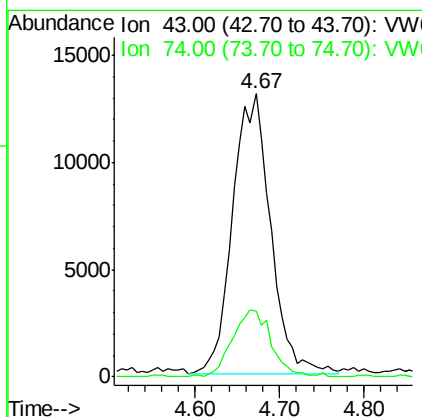
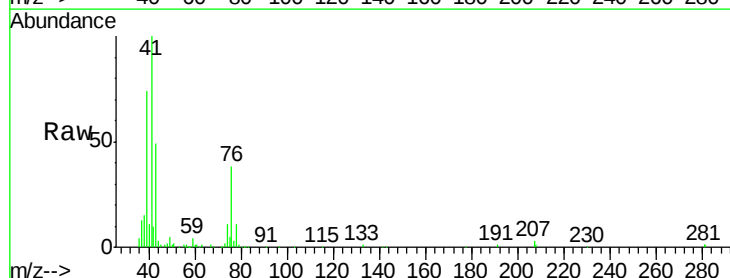
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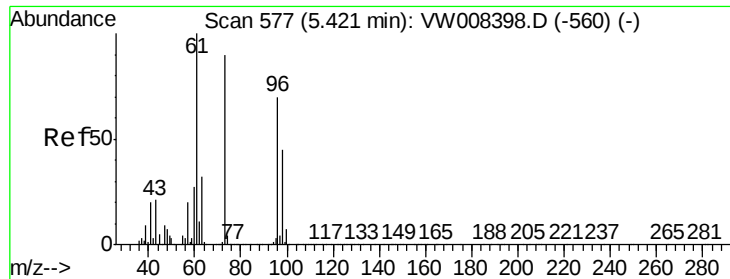
MMDadoda
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#18
Methyl Acetate
Concen: 16.287 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	17.5	26.3





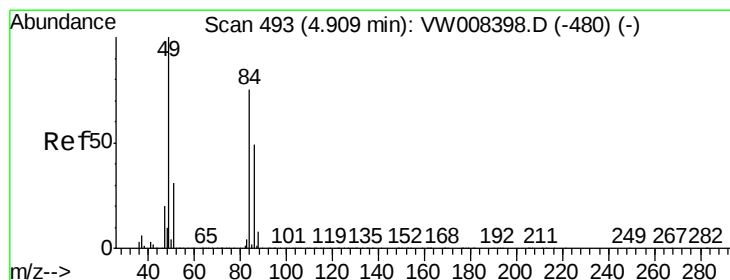
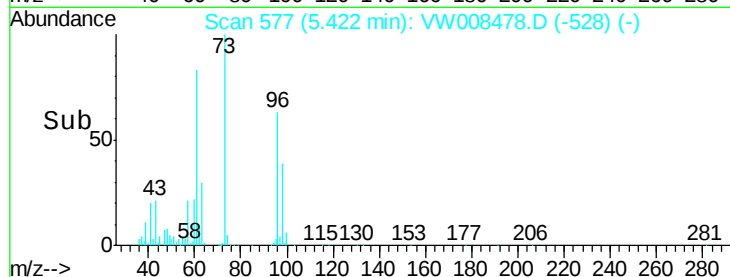
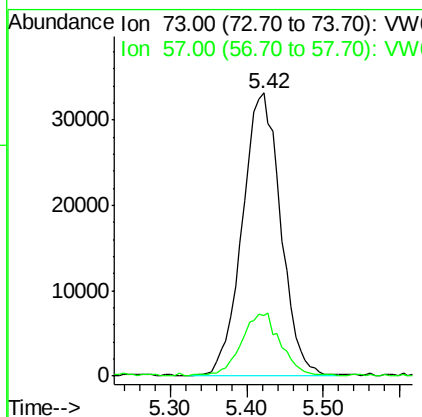
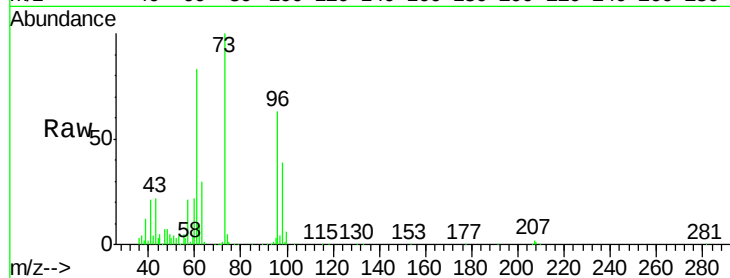
#19
Methvl tert-butvl Ether
Concen: 18.453 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.0	27.0

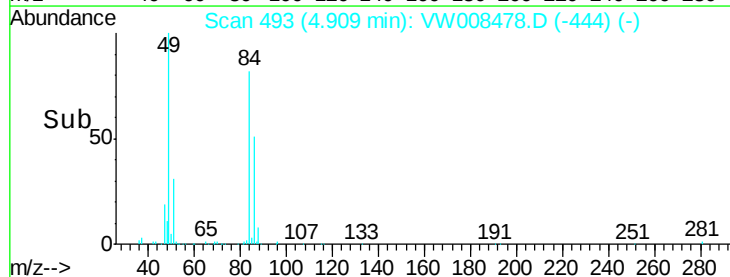
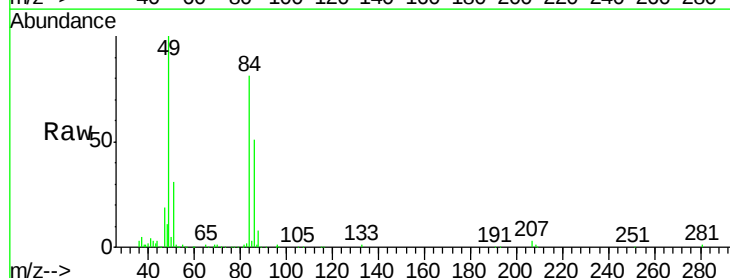
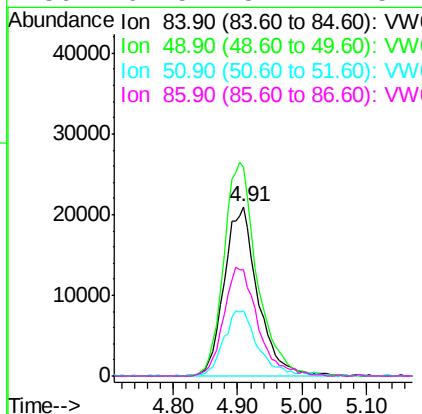
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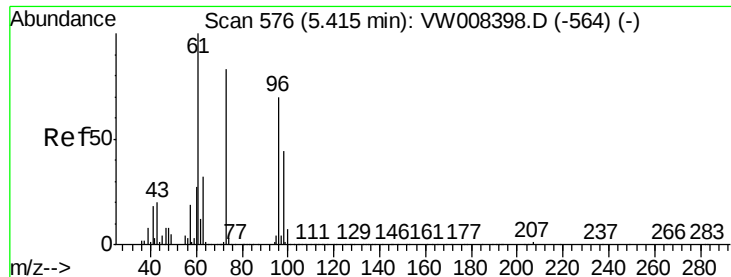
MMDadoda
2/4/2019 4:32:30 PM



#20
Methylene Chloride
Concen: 18.096 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	106.8	160.2
51	37.6	32.9	49.3
86	62.5	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 18.414 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

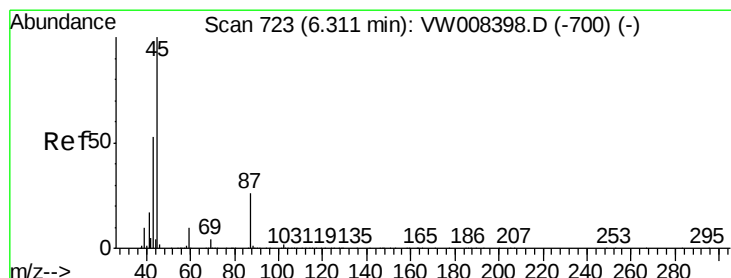
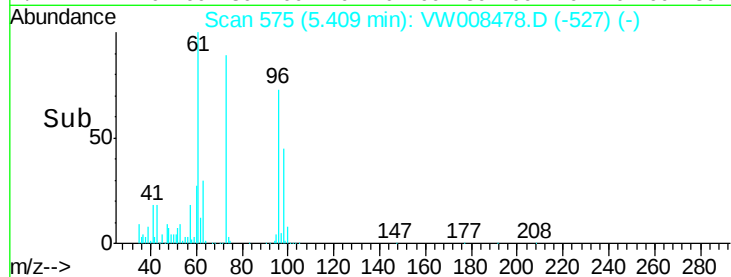
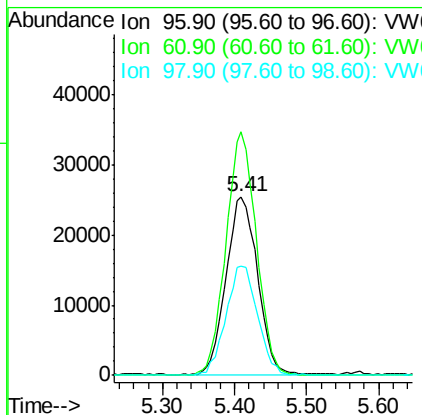
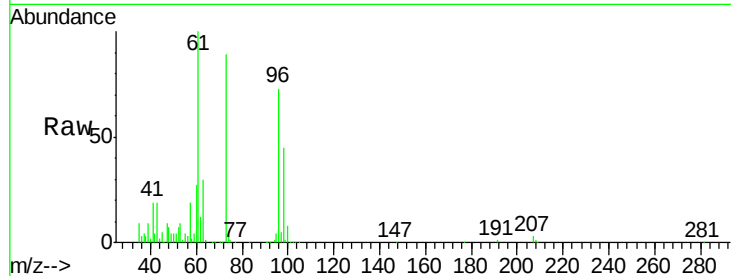
ClientSampleId :

VW0201SBS01

Tot Ion:	96	Resp:	78527
Ion Ratio	Lower	Upper	
96	100		
61	136.4	114.4	171.6
98	61.0	50.6	75.8

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#22

Diisopropyl ether

Concen: 16.114 ug/l

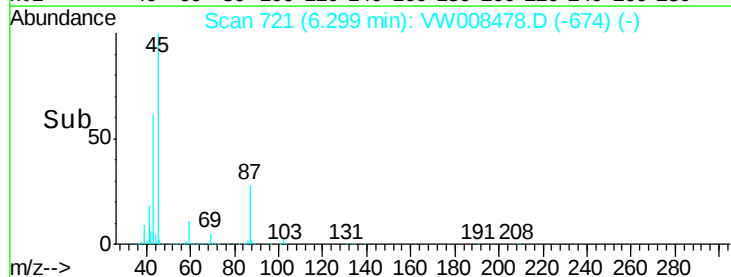
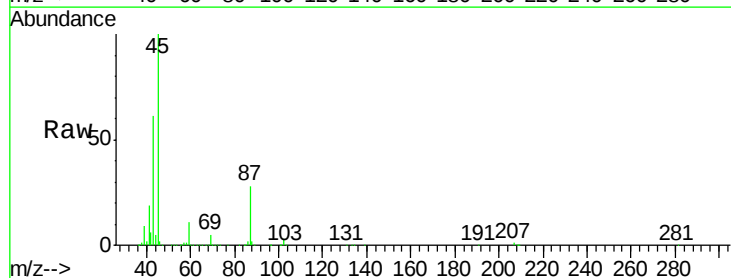
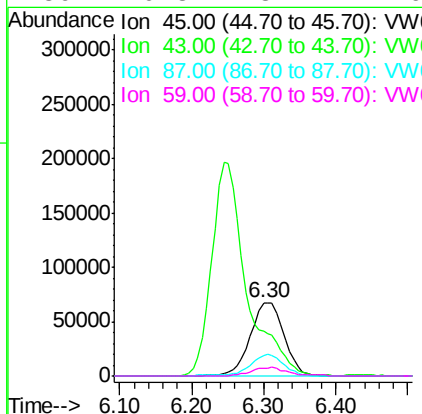
RT: 6.30 min Scan# 721

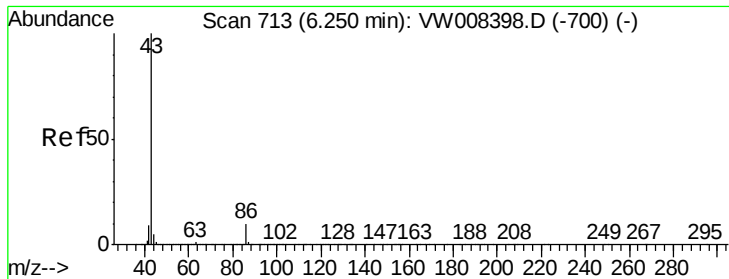
Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:	45	Resp:	219981
Ion Ratio	Lower	Upper	
45	100		
43	60.1	42.6	63.8
87	28.0	20.3	30.5
59	10.8	8.4	12.6





#23

Vinyl Acetate

Concen: 81.664 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 43 Resp: 658286

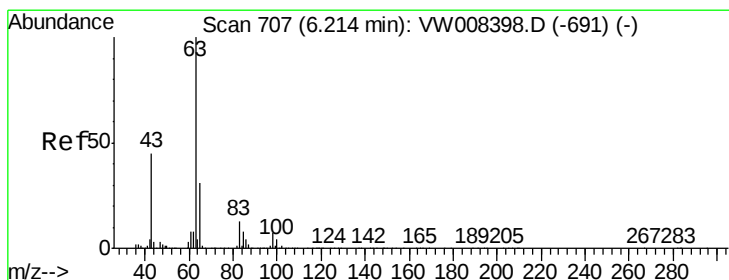
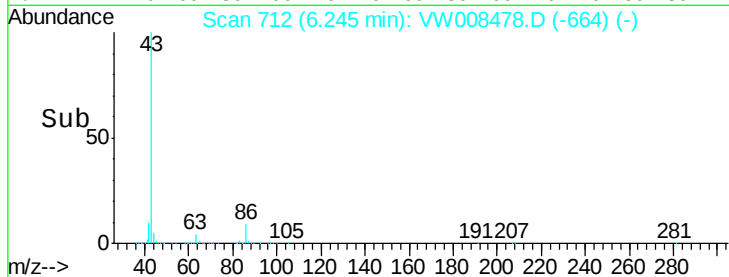
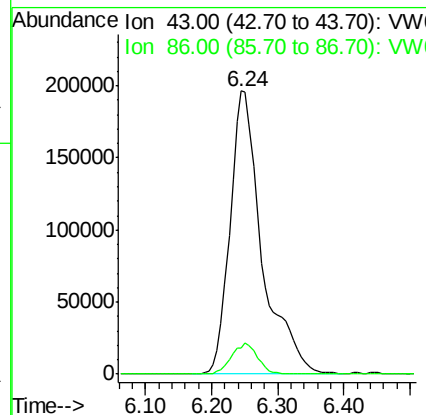
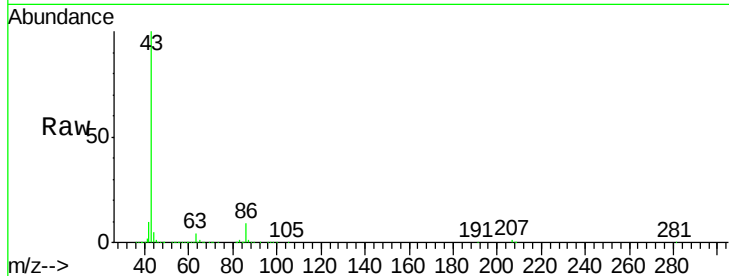
Ion Ratio Lower Upper

43 100

86 9.4 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 17.088 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

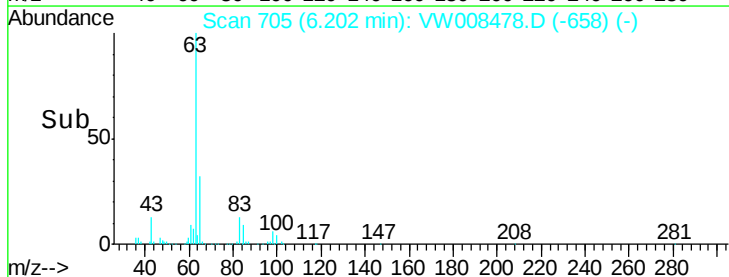
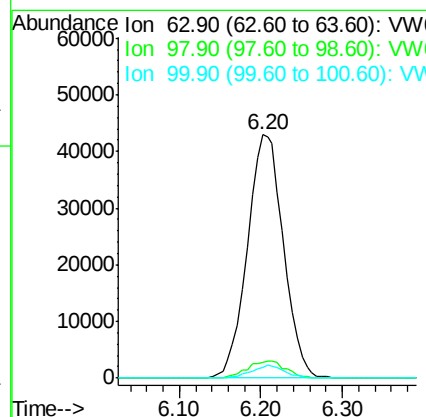
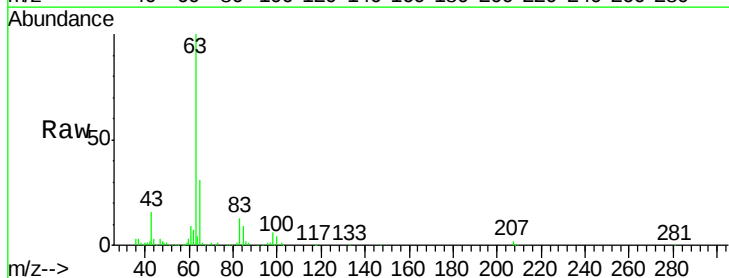
Tgt Ion: 63 Resp: 132041

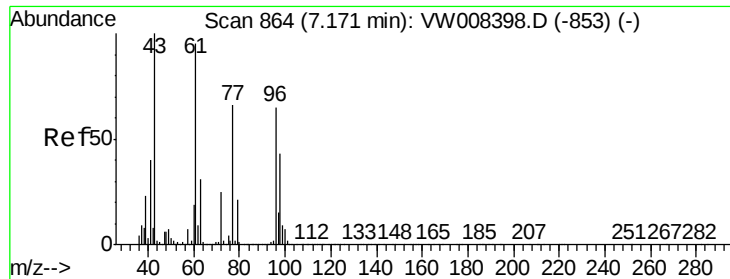
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 81.470 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 43 Resp: 103459

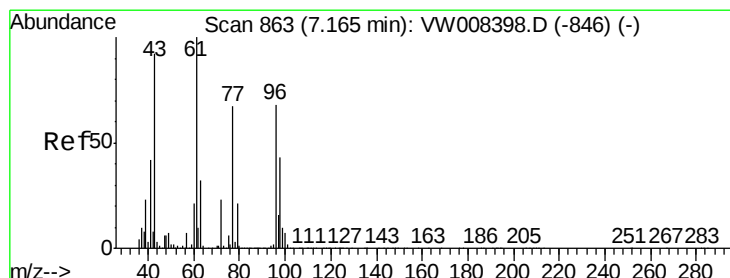
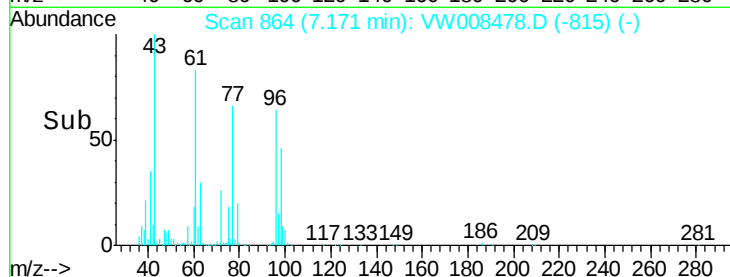
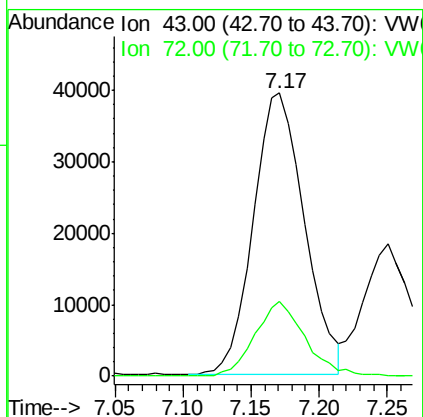
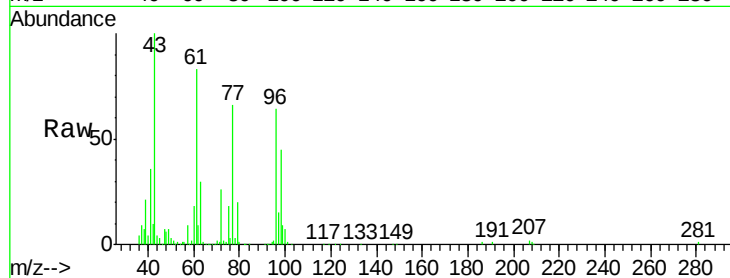
Ion Ratio Lower Upper

43 100

72 26.5 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.228 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008478.D

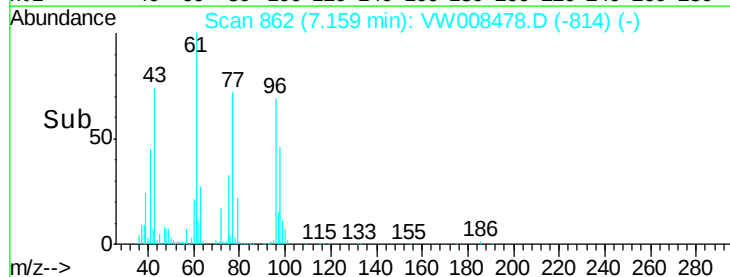
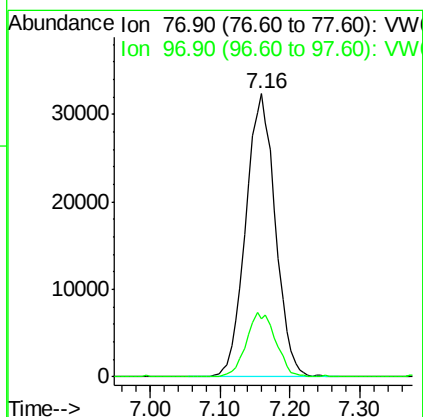
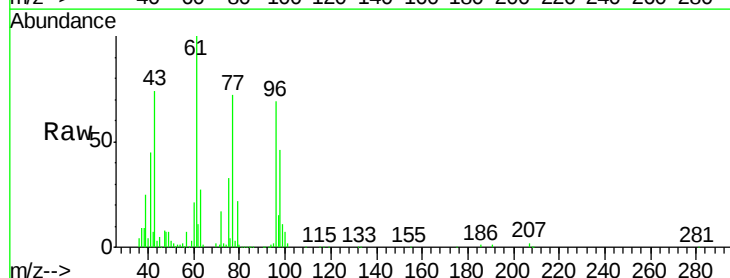
Acq: 01 Feb 2019 13:44

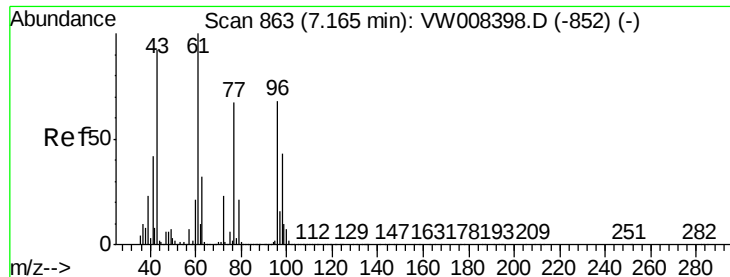
Tgt Ion: 77 Resp: 95210

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5





#27

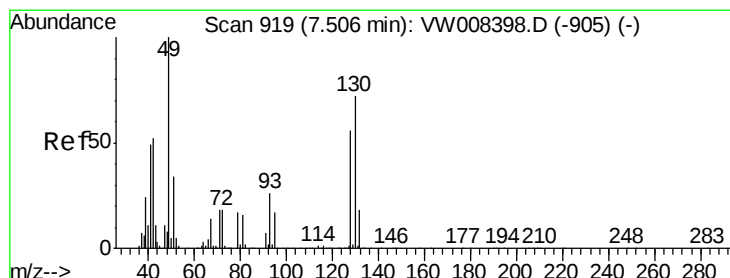
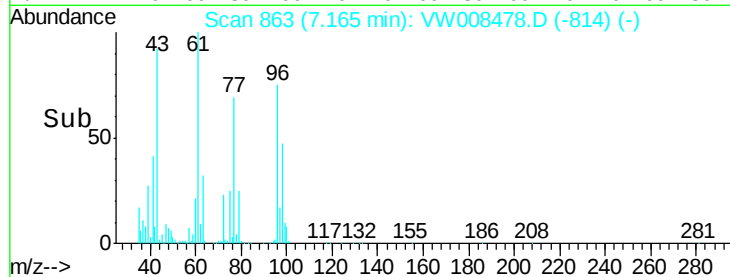
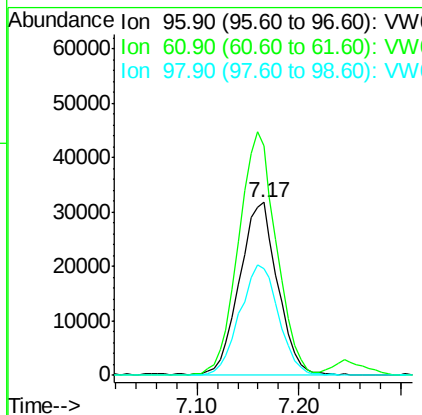
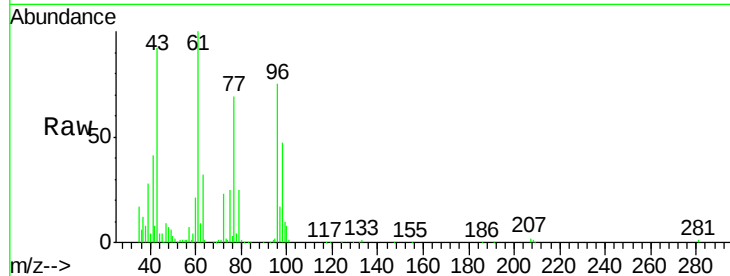
cis-1,2-Dichloroethene
Concen: 17.667 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	292.8
98	65.8	0.0	129.2

Manual Integrations
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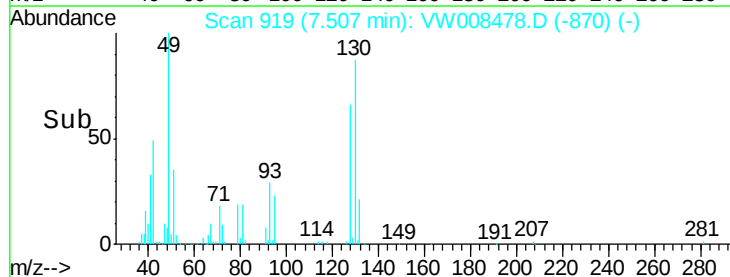
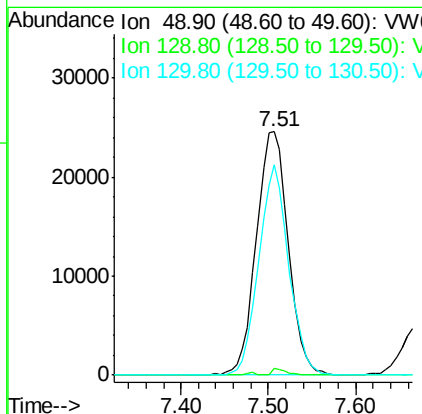
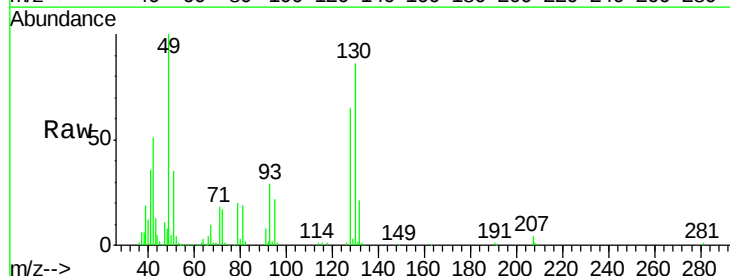
MMDadoda
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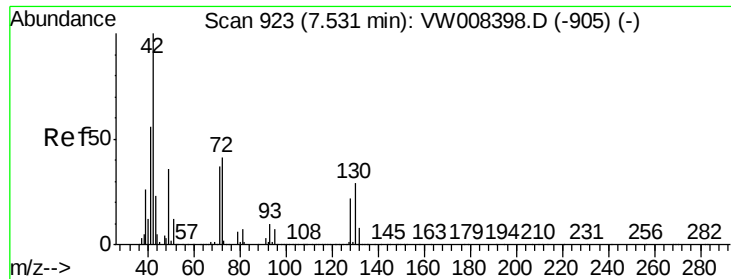


#28

Bromochloromethane
Concen: 17.677 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	80.7	58.6	87.8





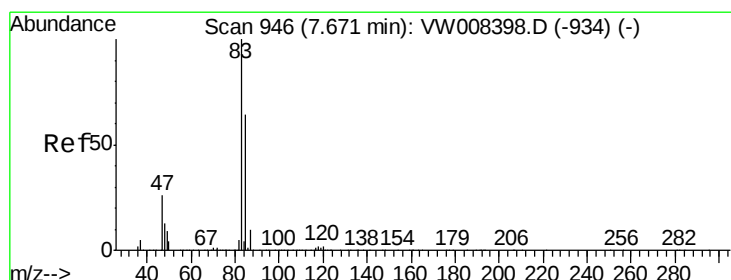
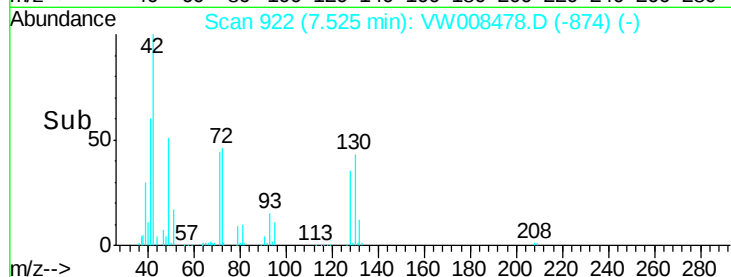
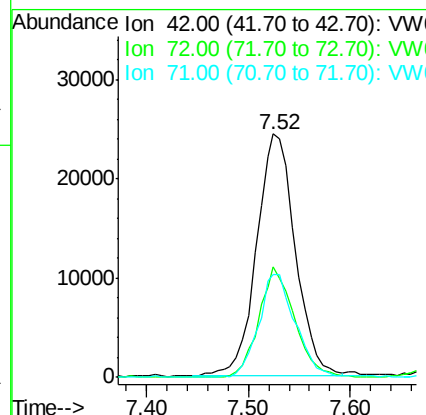
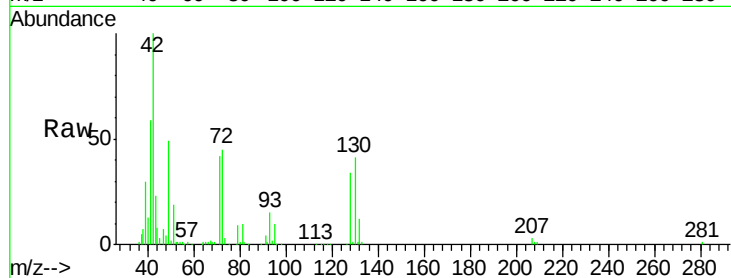
#29
Tetrahydrofuran
Concen: 79.748 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion:	42	Resp:	64176
Ion	Ratio	Lower	Upper
42	100		
72	42.4	31.9	47.9
71	40.8	29.9	44.9

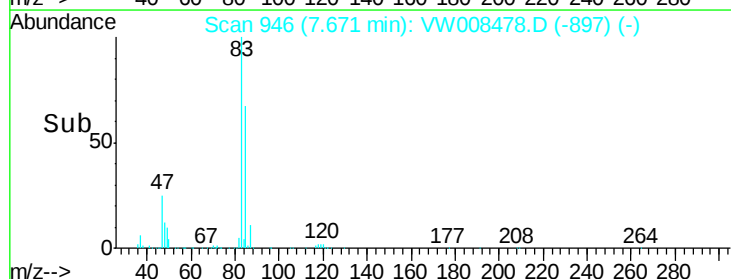
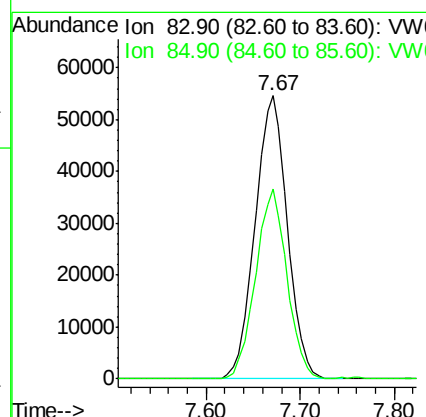
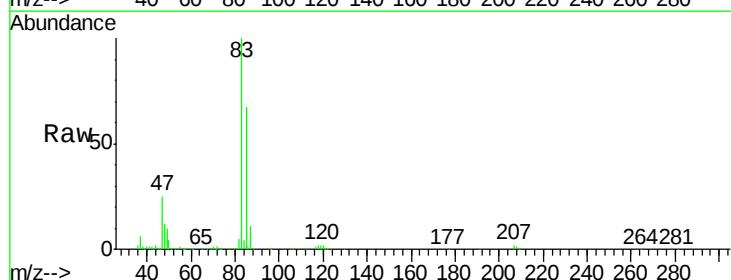
Manual Integrations
APPROVED

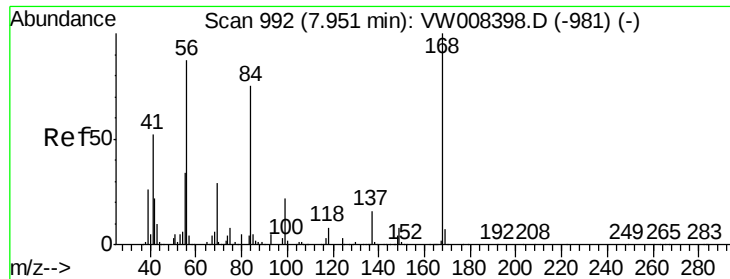
MMDadoda
2/4/2019 4:32:30 PM



#30
Chloroform
Concen: 17.277 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion:	83	Resp:	131317
Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.9	76.3





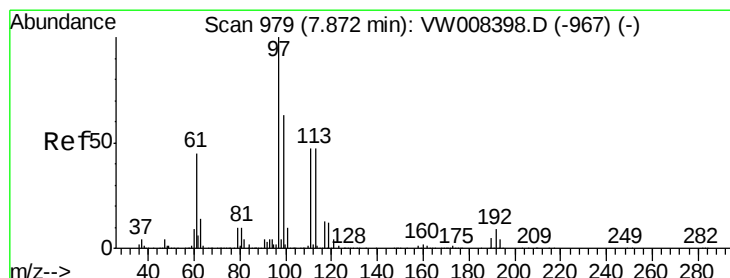
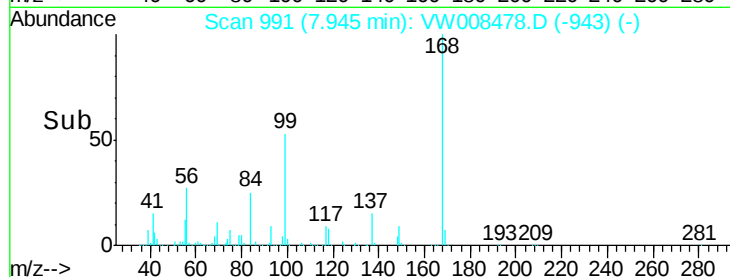
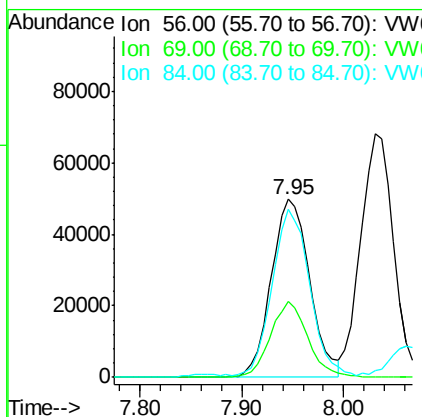
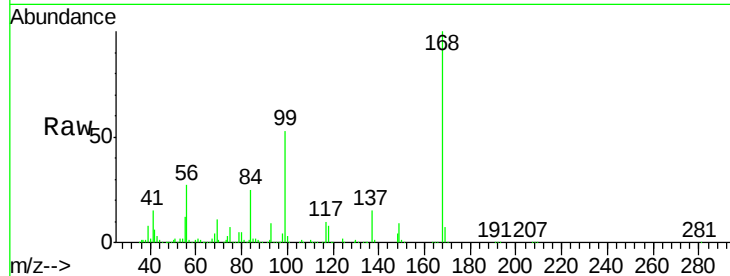
#31
Cyclohexane
Concen: 16.309 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	42.5	26.4	39.6#	
84	93.8	69.1	103.7	

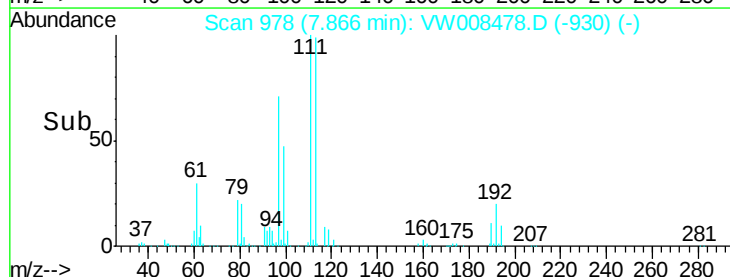
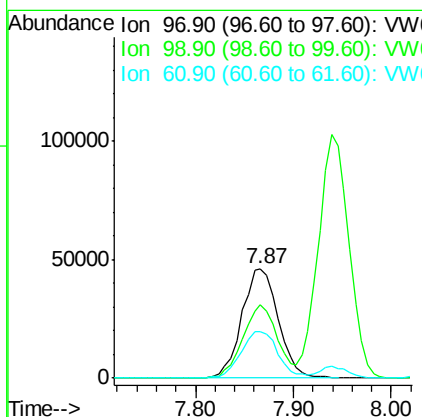
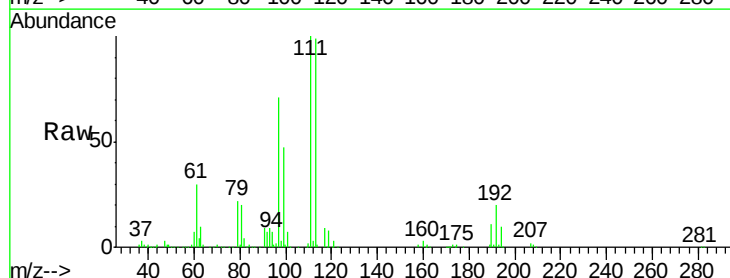
Manual Integrations
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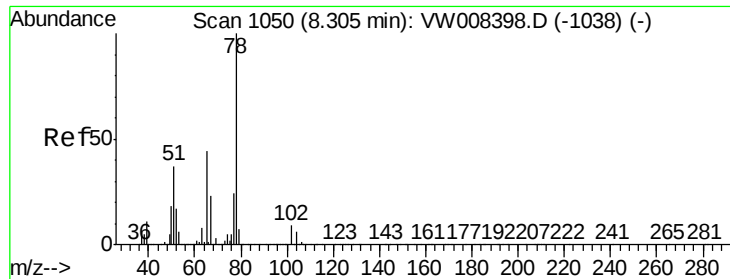
MMDadoda
2/4/2019 4:32:30 PM



#32
1,1,1-Trichloroethane
Concen: 18.009 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.8	51.3	76.9	
61	43.7	36.2	54.4	





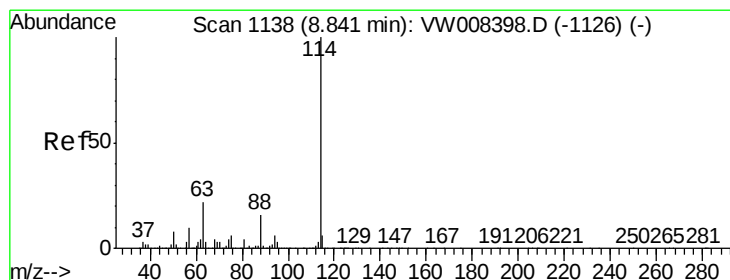
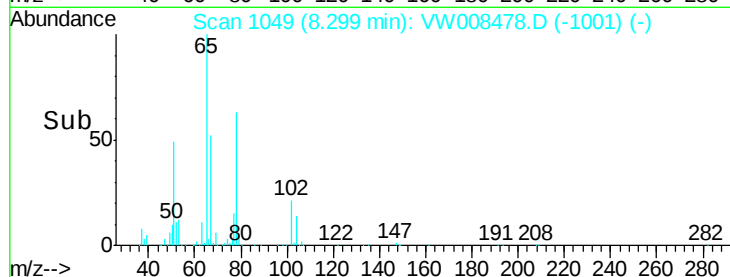
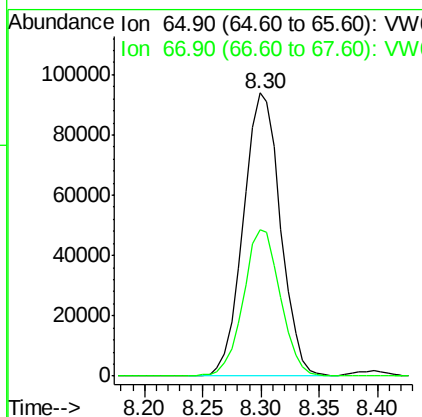
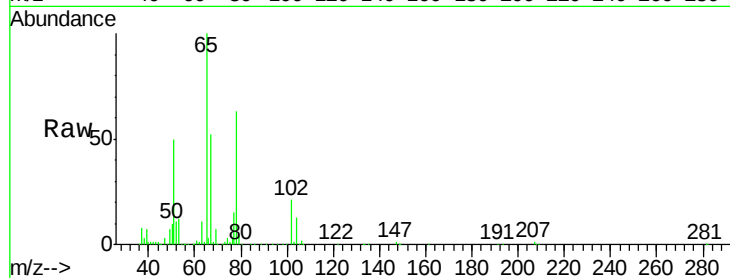
#33
 1,2-Dichloroethane-d4
 Concen: 51.268 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	104.0	

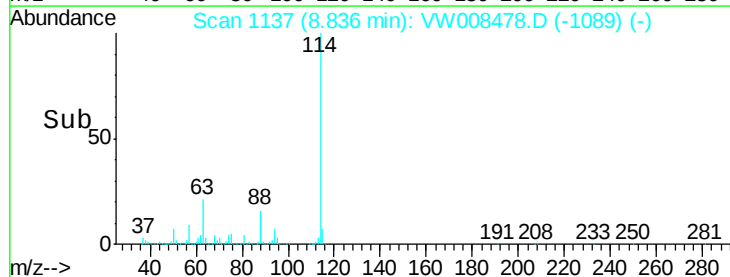
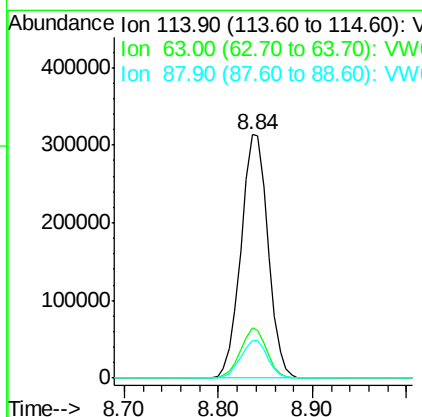
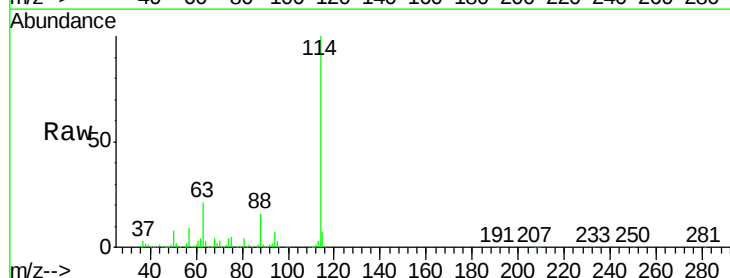
Manual Integrations
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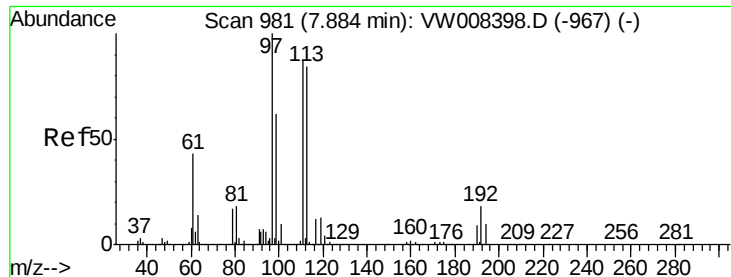
MMDadoda
 2/4/2019 4:32:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	43.6	
88	15.5	0.0	31.8	





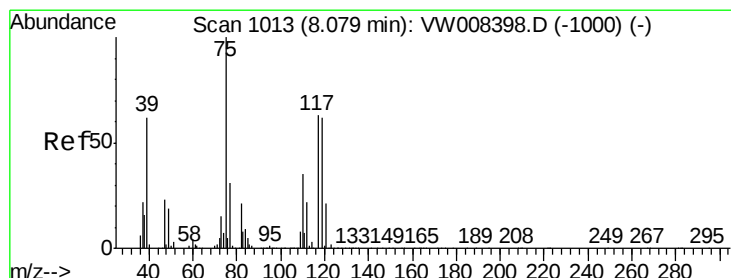
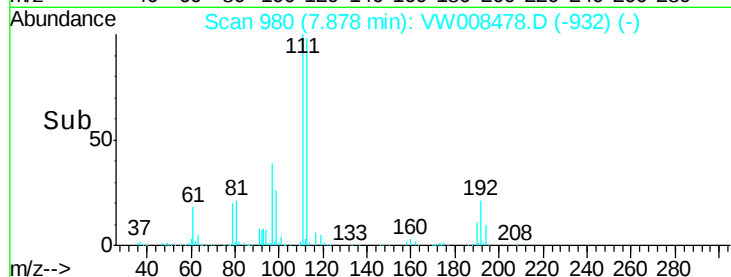
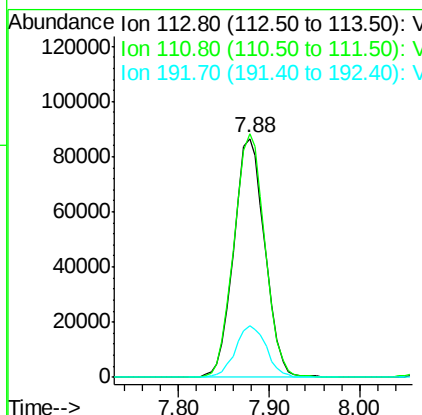
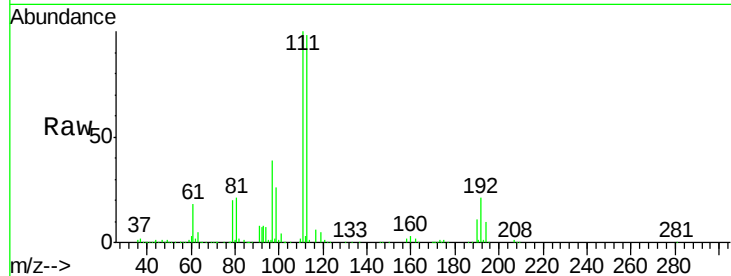
#35
 Dibromofluoromethane
 Concen: 55.882 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.4
192	21.6	16.8	25.2

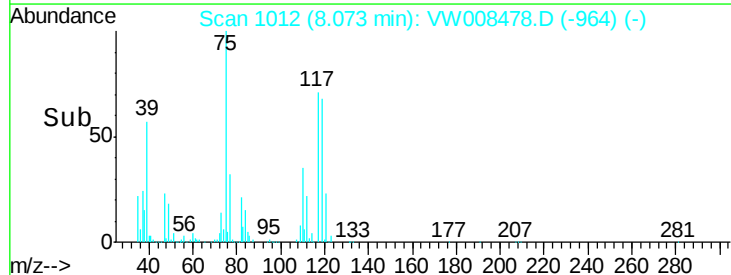
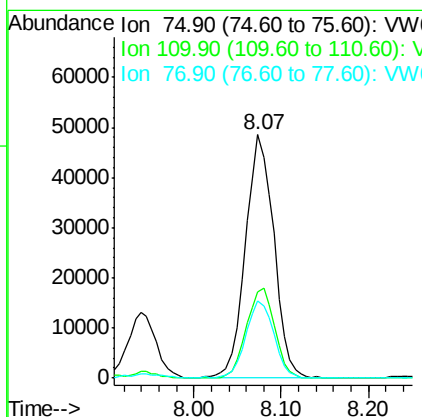
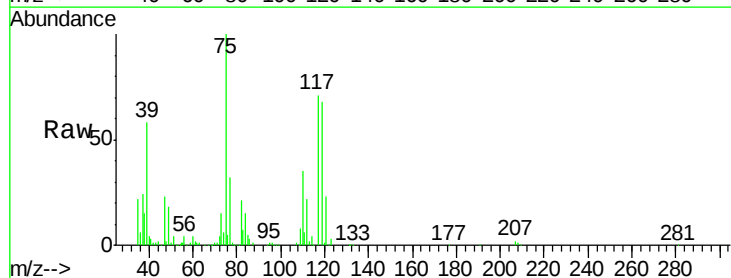
Manual Integrations
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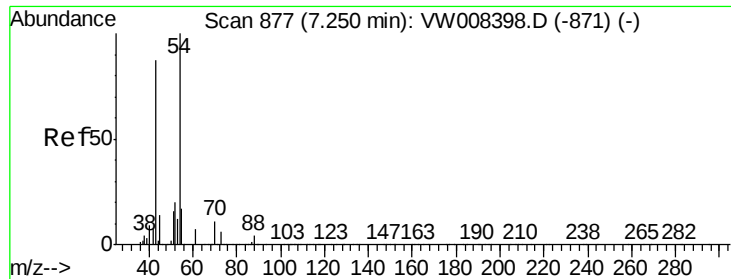
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 2/4/2019 4:32:30 PM



#36
 1,1-Dichloropropene
 Concen: 18.446 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.3	52.0
77	31.2	24.7	37.1





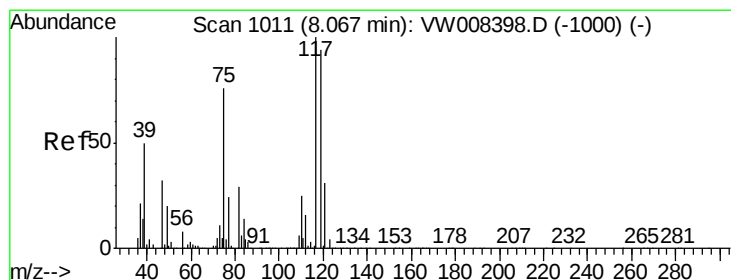
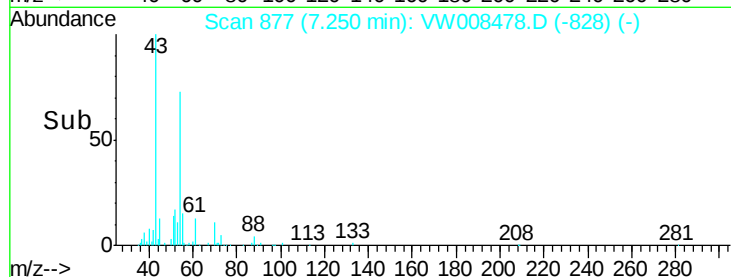
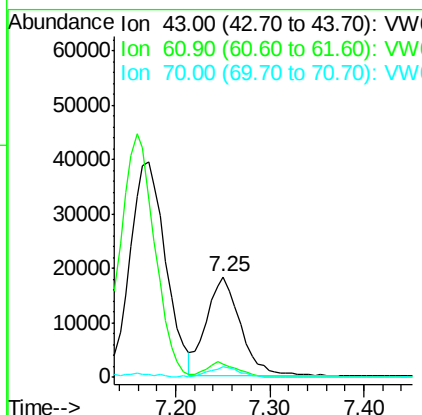
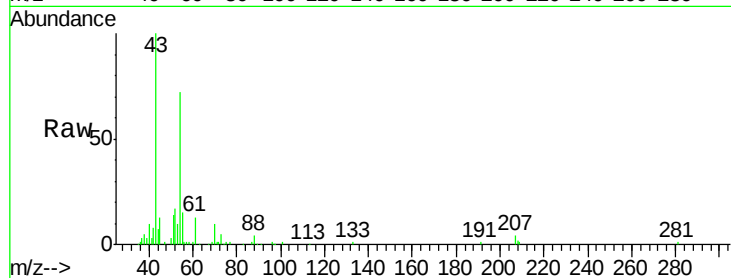
#37
Ethyl Acetate
Concen: 17.544 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.1	15.1
70	10.1	7.8	11.6

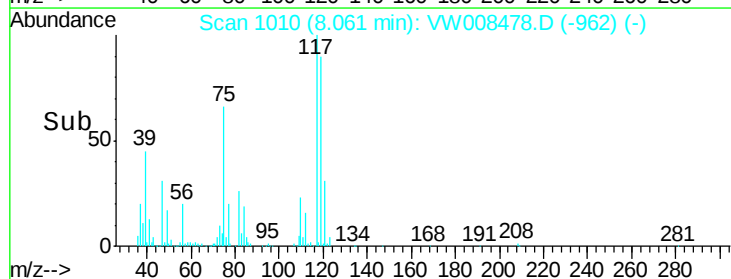
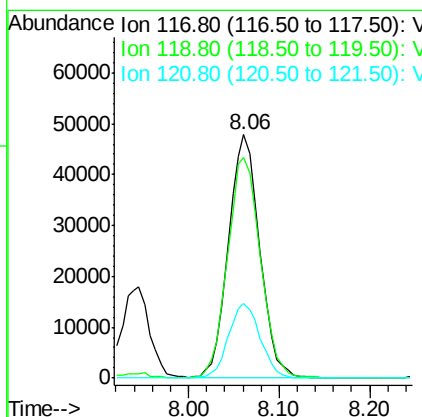
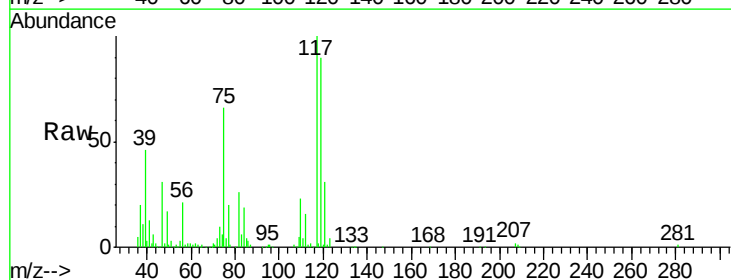
Manual Integrations
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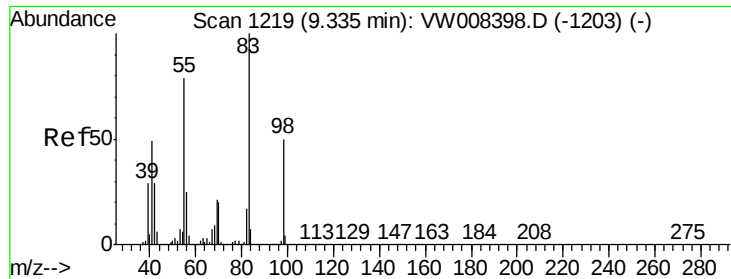
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2/4/2019 4:32:30 PM



#38
Carbon Tetrachloride
Concen: 19.188 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	75.0	112.4
121	30.6	24.9	37.3





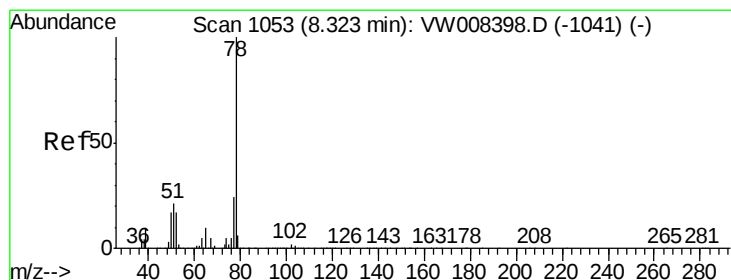
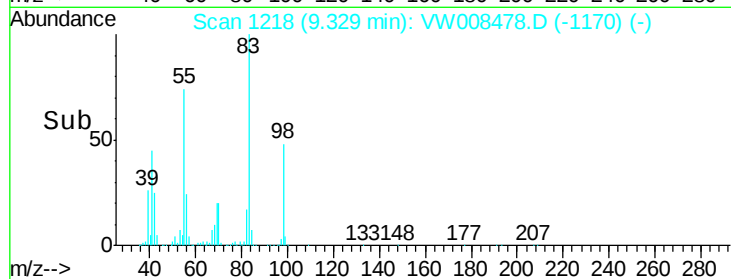
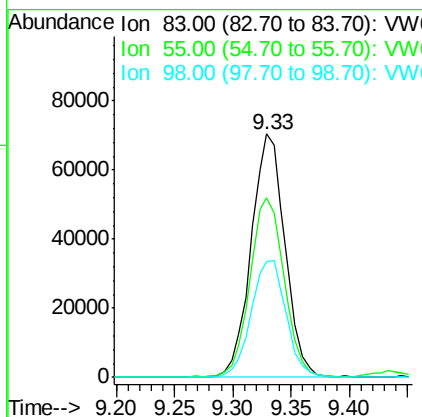
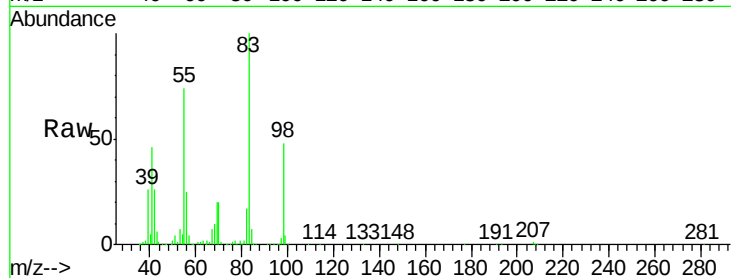
#39
Methvlcvclohexane
Concen: 18.296 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	63.3	94.9
98	47.6	39.7	59.5

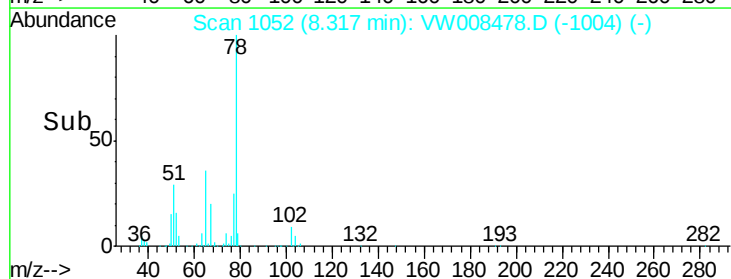
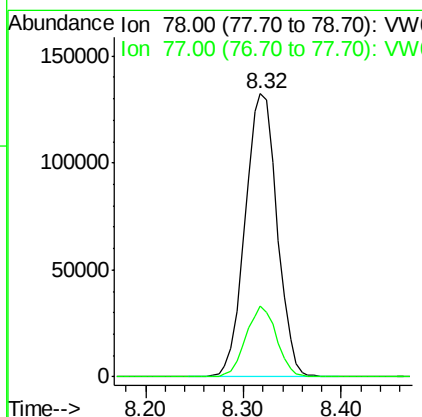
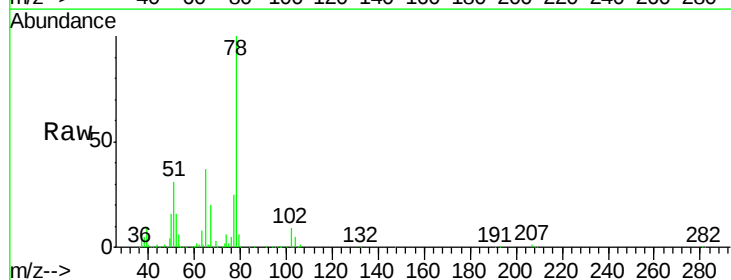
Manual Integrations
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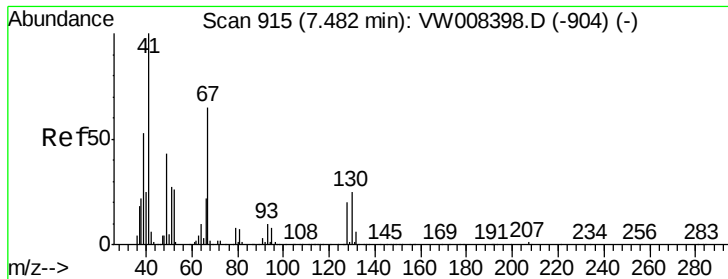
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2/4/2019 4:32:30 PM



#40
Benzene
Concen: 18.167 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.6





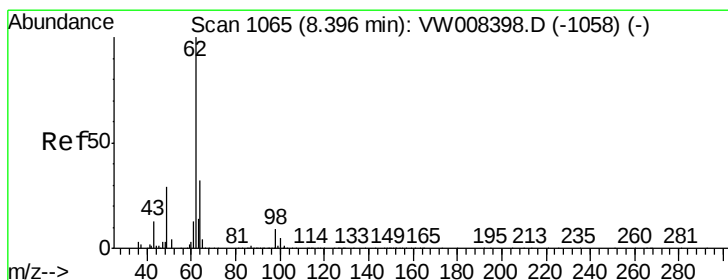
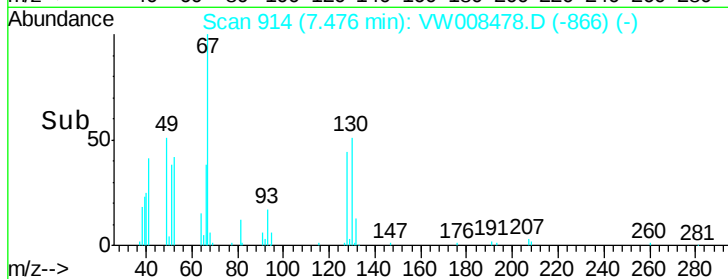
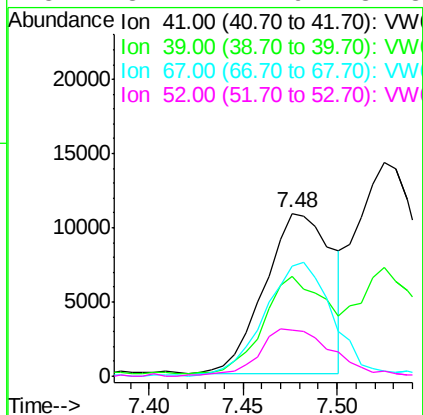
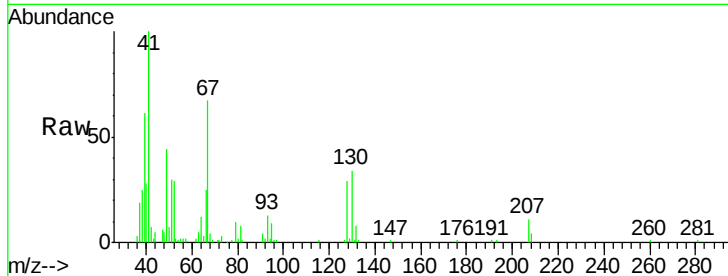
#41
Methacrylonitrile
Concen: 17.219 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.9	43.4	65.0
67	72.9	54.2	81.2
52	32.1	22.9	34.3

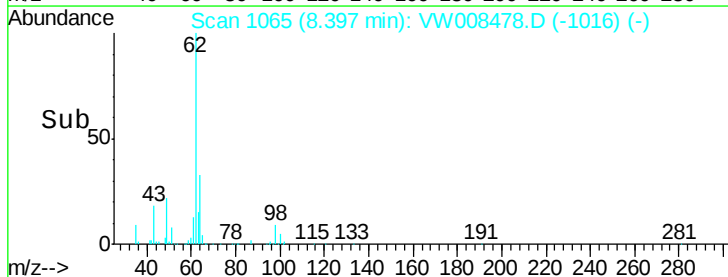
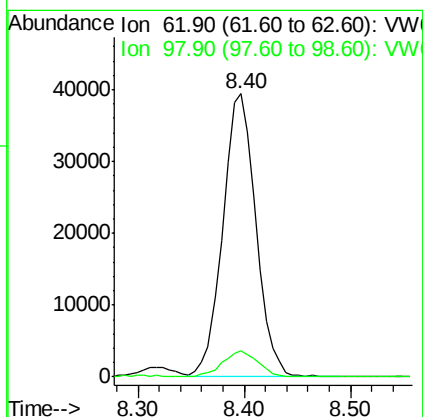
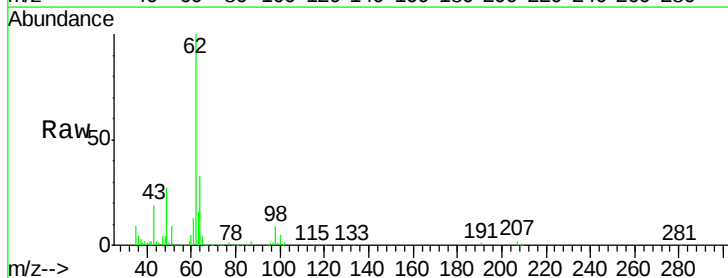
Manual Integrations
APPROVED

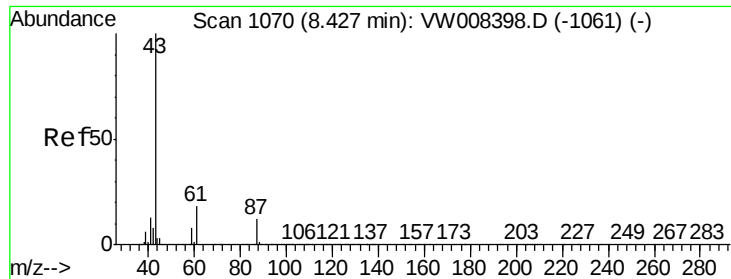
MMDadoda
2/4/2019 4:32:30 PM



#42
1,2-Dichloroethane
Concen: 17.952 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 17.339 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

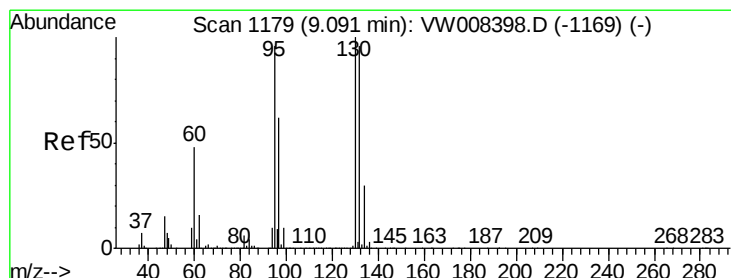
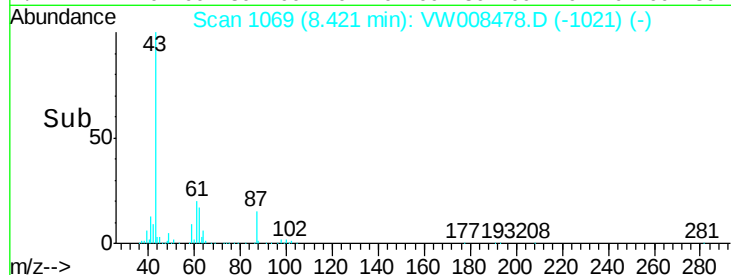
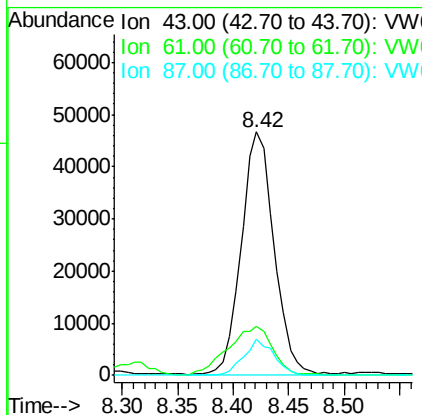
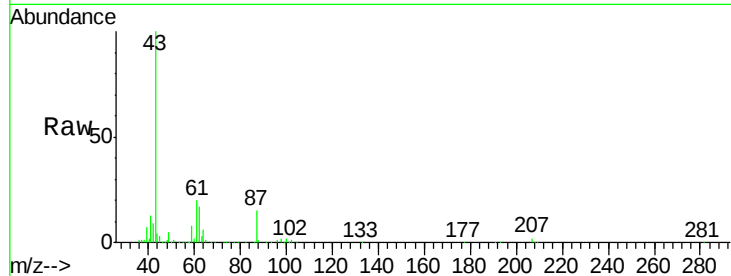
ClientSampleId :

VW0201SBS01

Tot Ion:	43	Resp:	94635
Ion Ratio	Lower	Upper	
43	100		
61	27.8	22.0	33.0
87	14.0	9.3	13.9#

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#44

Trichloroethene

Concen: 18.834 ug/l

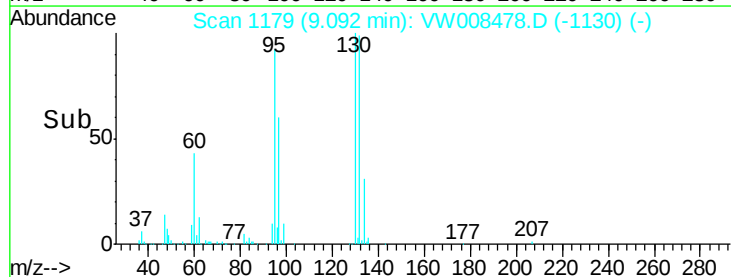
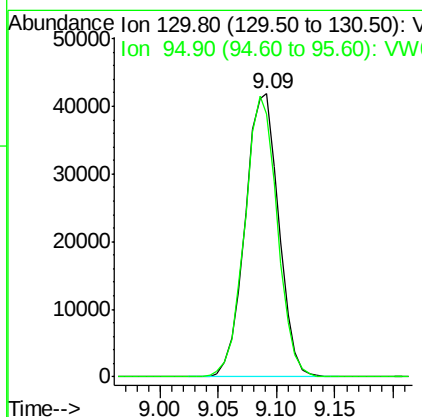
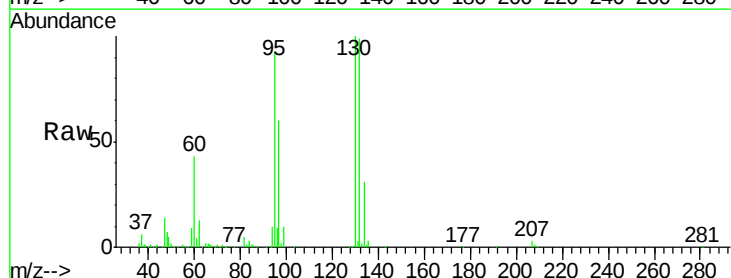
RT: 9.09 min Scan# 1179

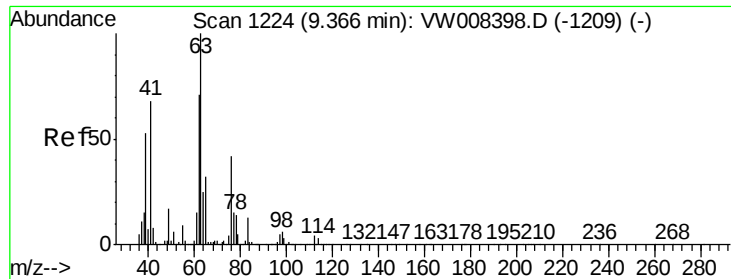
Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:	130	Resp:	84389
Ion Ratio	Lower	Upper	
130	100		
95	92.7	0.0	191.6





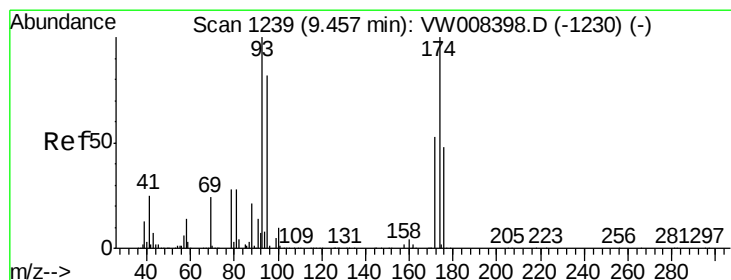
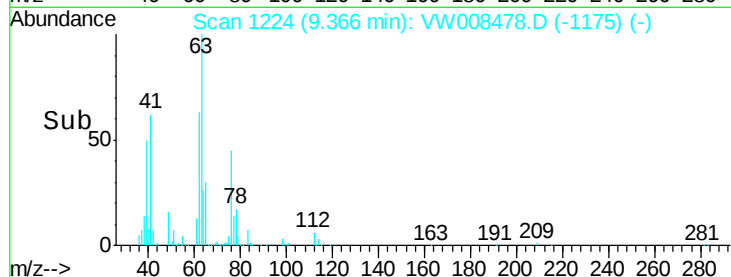
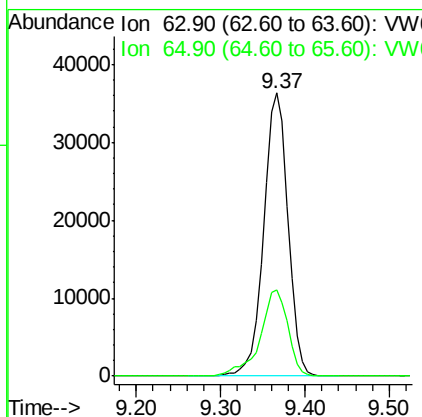
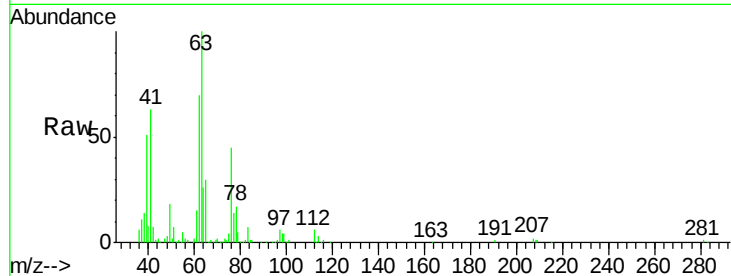
#45
 1,2-Dichloropropane
 Concen: 17.698 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.2	37.8

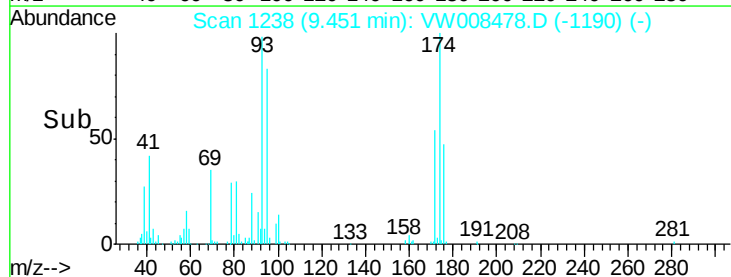
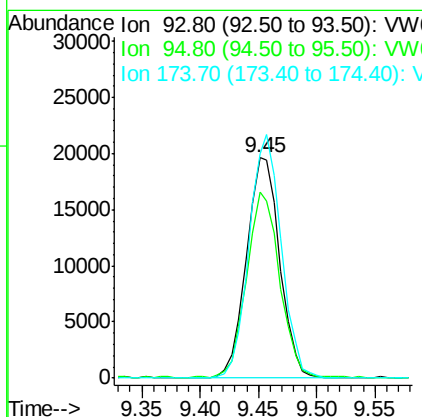
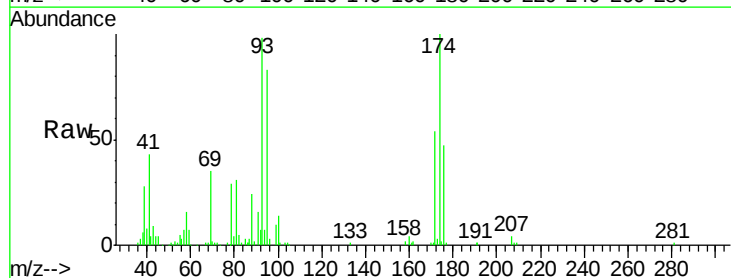
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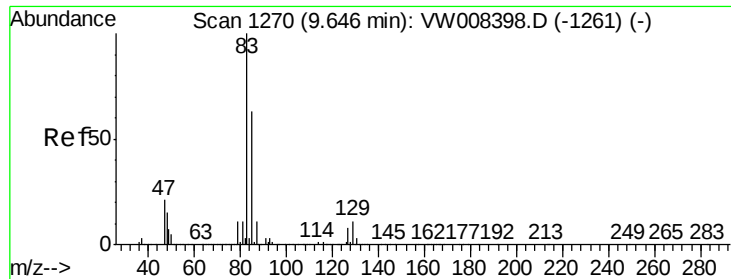
MMDadoda
 2/4/2019 4:32:30 PM



#46
 Dibromomethane
 Concen: 18.468 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.9	98.9
174	106.6	81.0	121.6





#47

Bromodichloromethane

Concen: 17.820 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

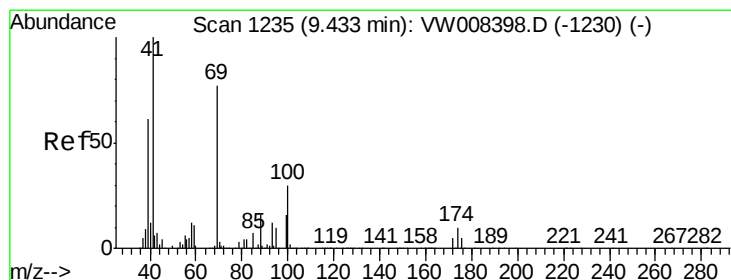
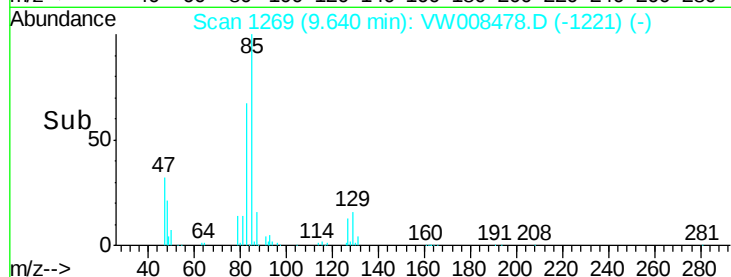
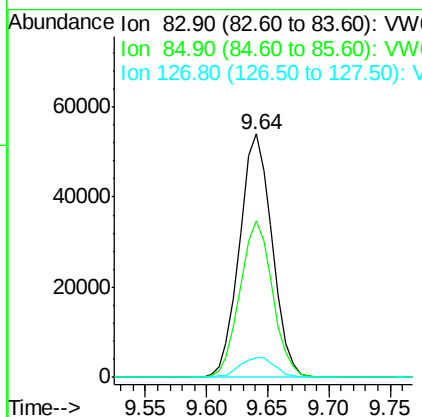
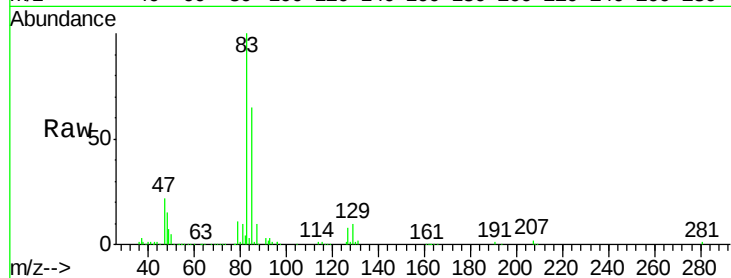
ClientSampleId :

VW0201SBS01

Tot Ion:	83	Resp:	99599
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.8	76.2
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.020 ug/l

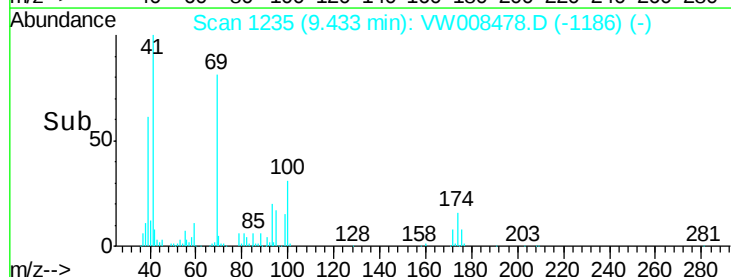
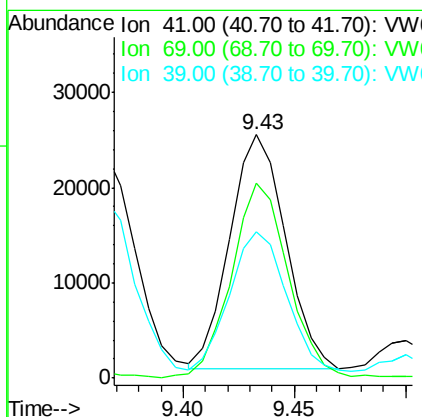
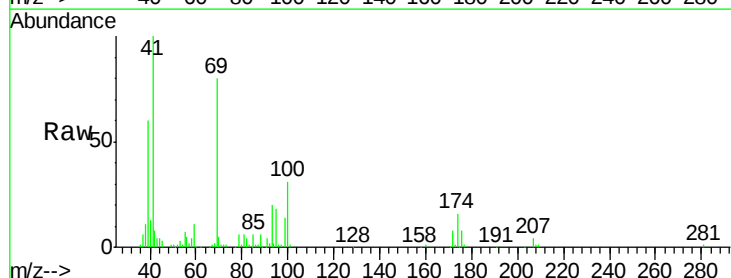
RT: 9.43 min Scan# 1235

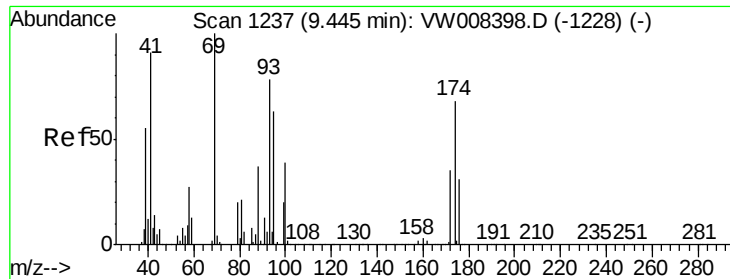
Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:	41	Resp:	42752
Ion Ratio	Lower	Upper	
41	100		
69	84.8	64.8	97.2
39	61.4	49.1	73.7





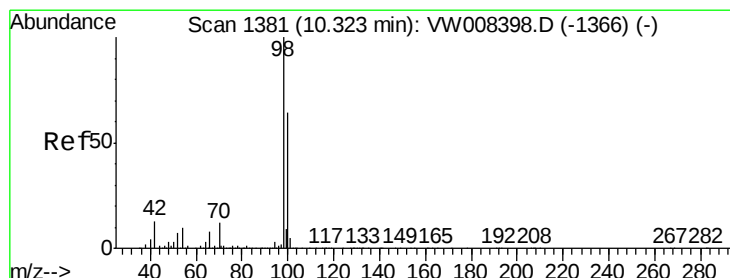
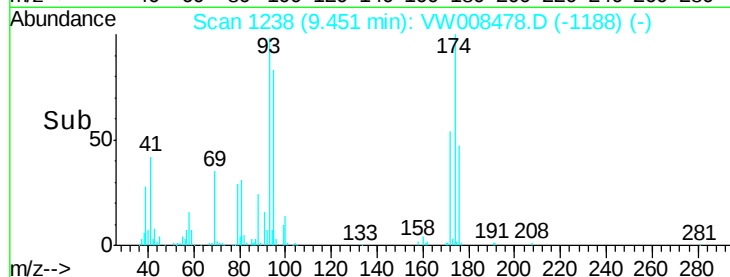
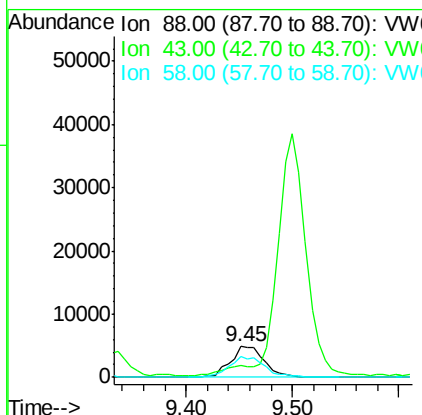
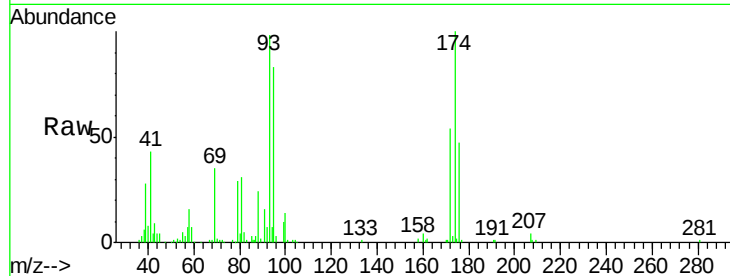
#49
1,4-Dioxane
Concen: 306.263 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	73.1	56.4	84.6

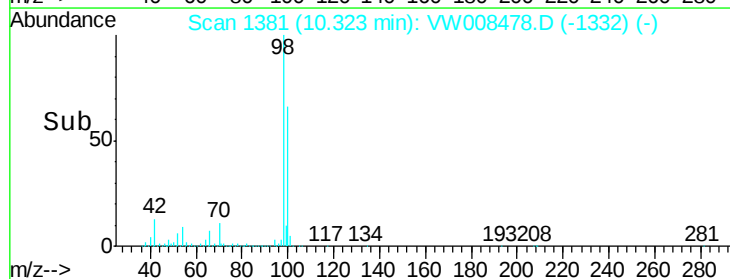
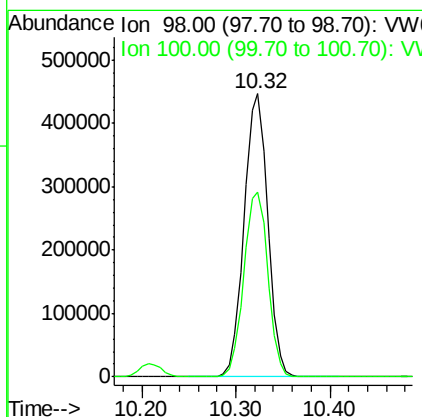
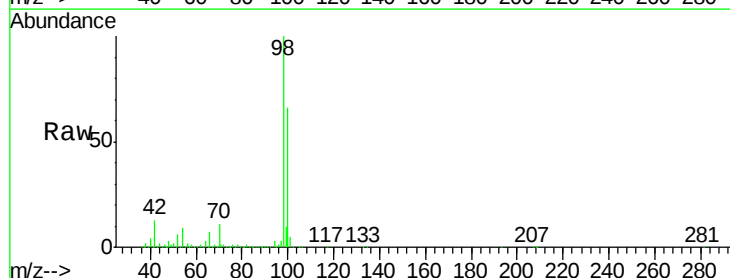
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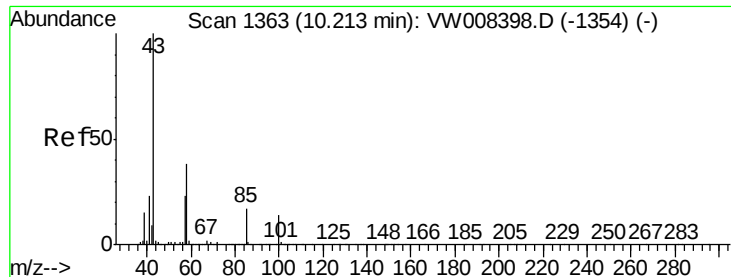
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#50
Toluene-d8
Concen: 53.320 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 84.665 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 43 Resp: 228290

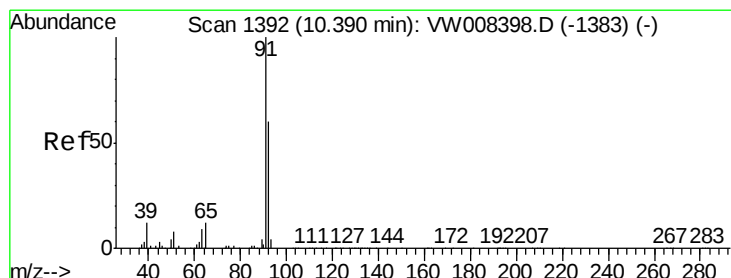
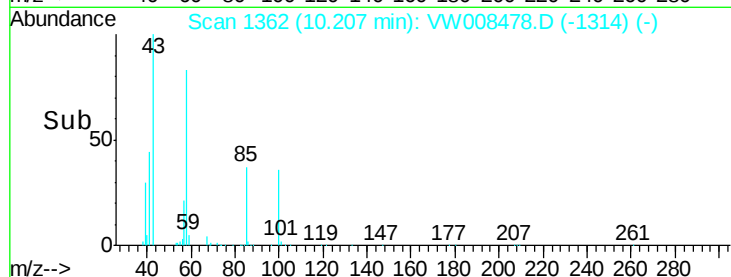
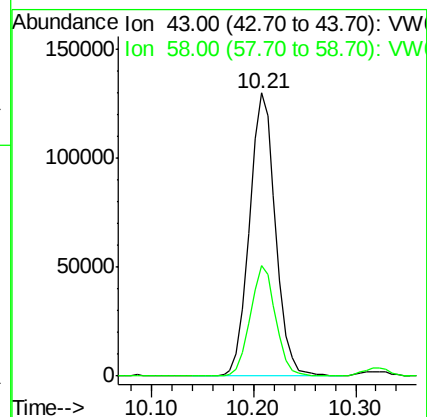
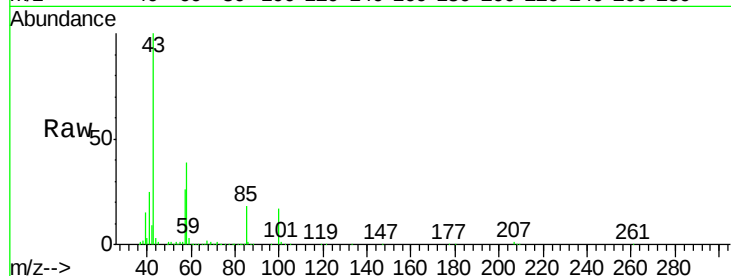
Ion Ratio Lower Upper

43 100

58 38.3 29.7 44.5

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#52

Toluene

Concen: 17.954 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008478.D

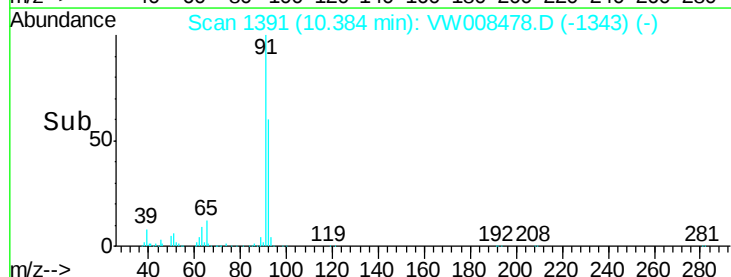
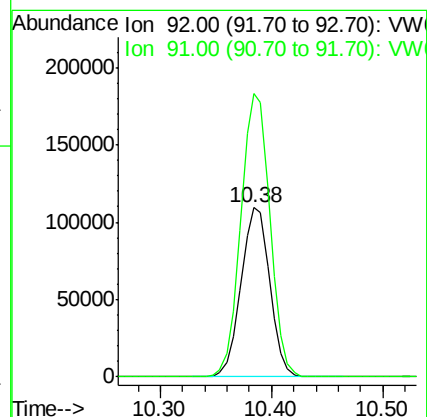
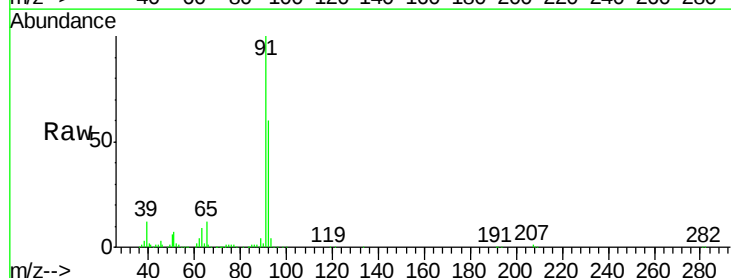
Acq: 01 Feb 2019 13:44

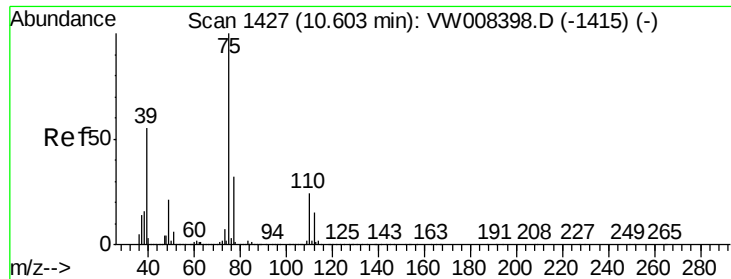
Tgt Ion: 92 Resp: 195278

Ion Ratio Lower Upper

92 100

91 168.6 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 17.588 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 75 Resp: 104599

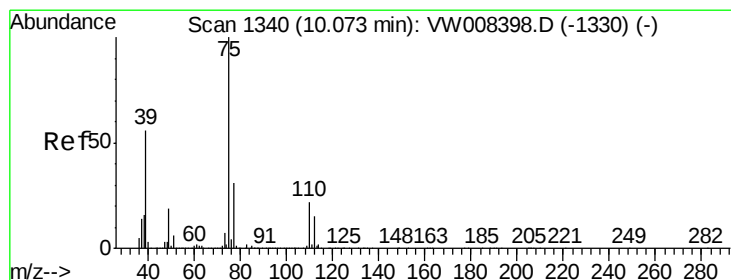
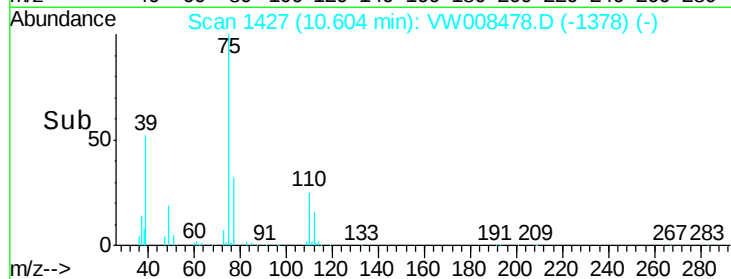
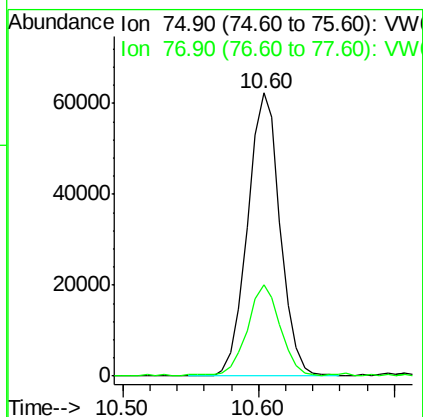
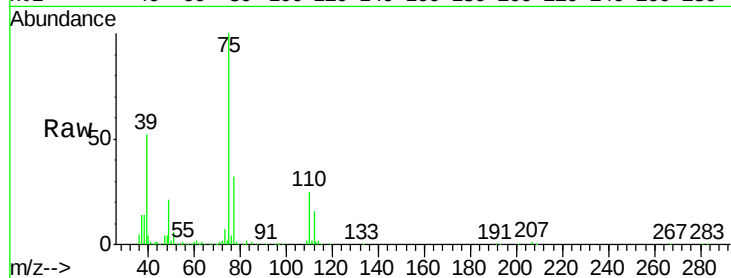
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 17.855 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

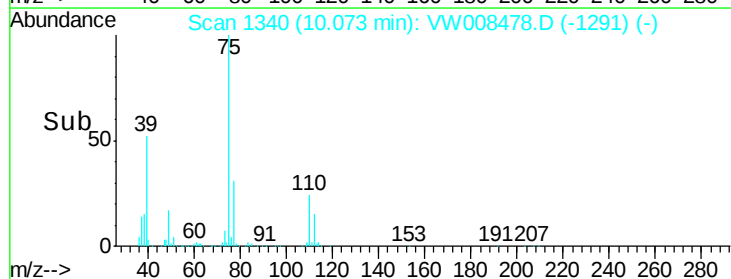
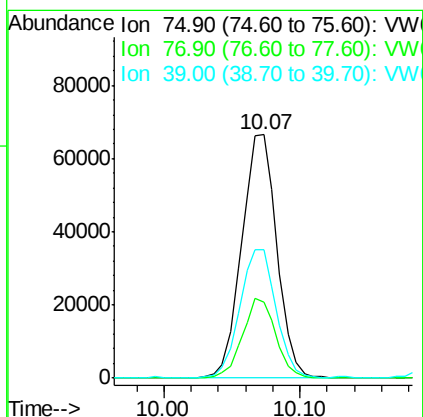
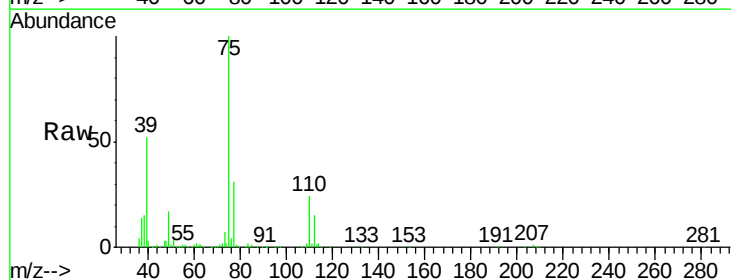
Tgt Ion: 75 Resp: 120507

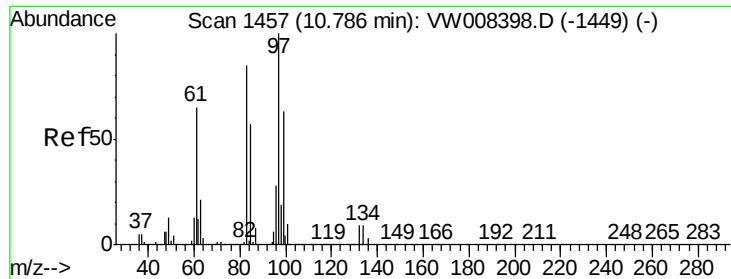
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

39 52.2 44.9 67.3





#55

1,1,2-Trichloroethane

Concen: 18.306 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

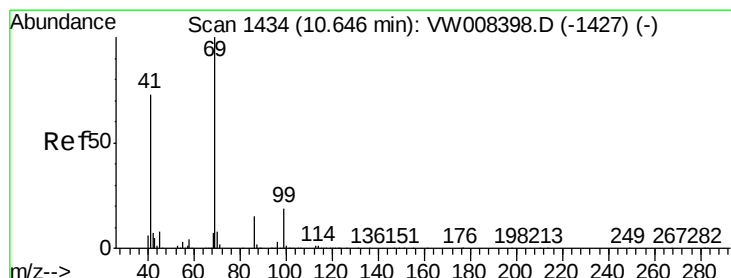
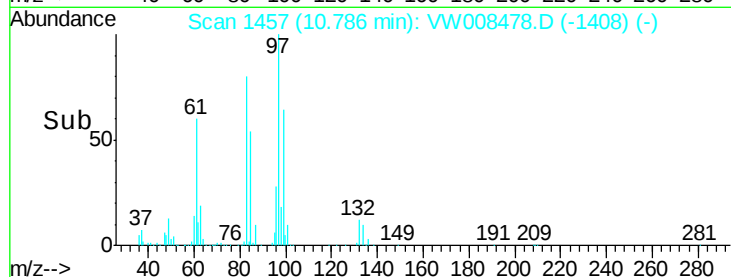
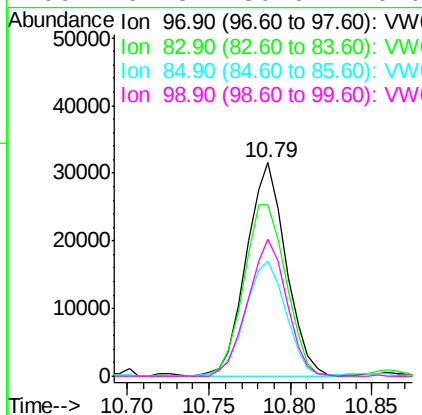
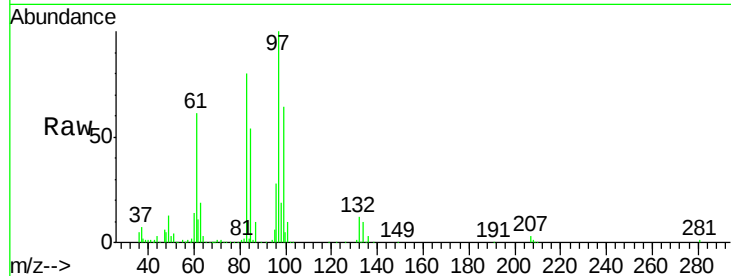
ClientSampleId :

VW0201SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		53654		
83	80.0	68.4	102.6		
85	54.2	45.3	67.9		
99	64.3	50.6	76.0		

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#56

Ethyl methacrylate

Concen: 17.217 ug/l

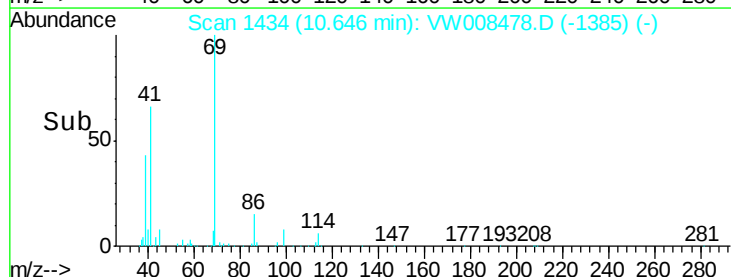
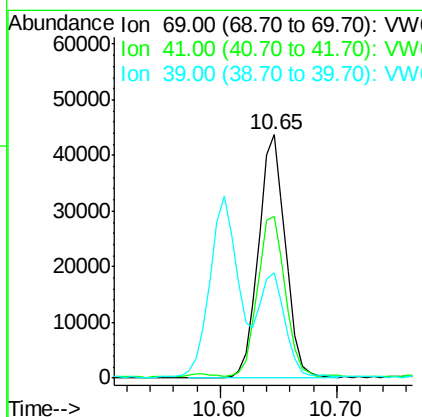
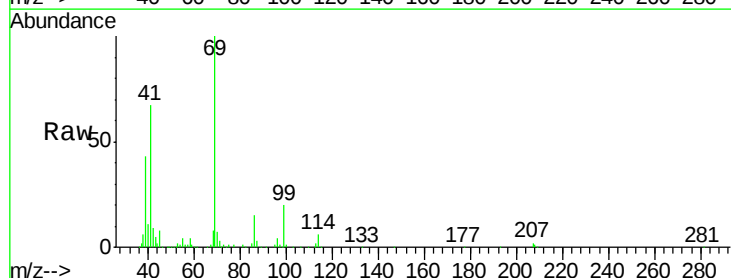
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70709		
41	66.9	58.7	88.1		
39	39.1	32.6	48.8		





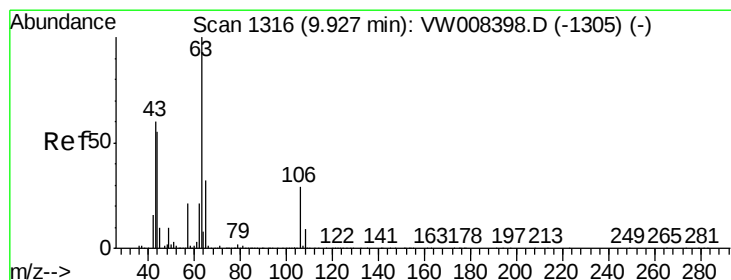
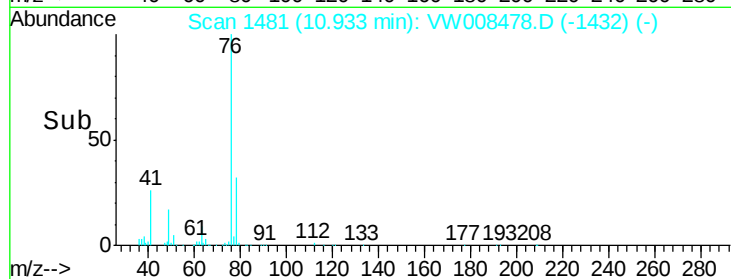
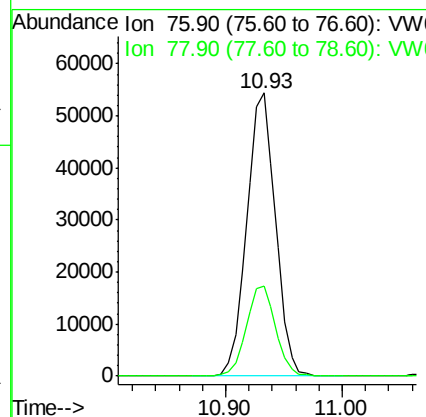
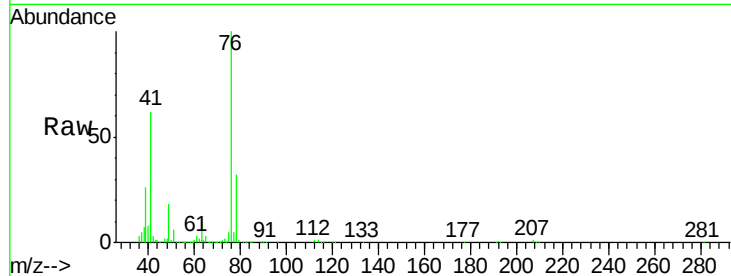
#57
 1,3-Dichloropropane
 Concen: 17.851 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

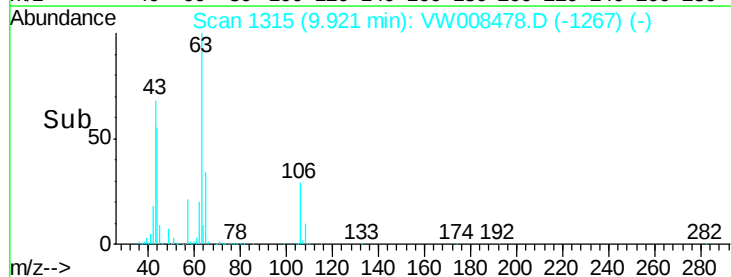
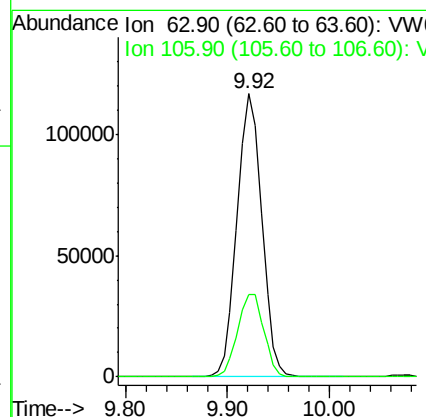
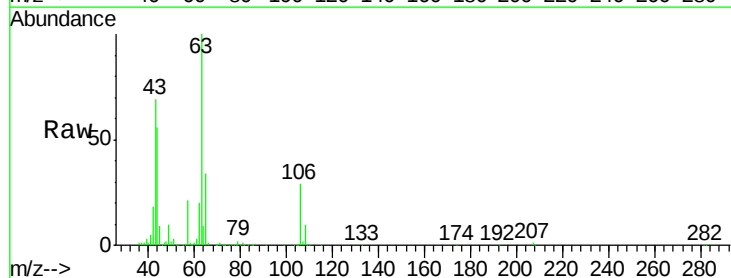
Manual Integrations
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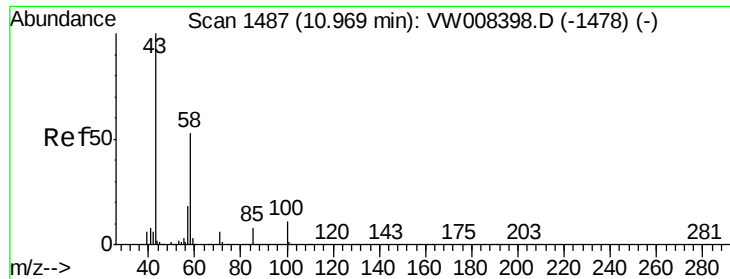
MMDadoda
 2/4/2019 4:32:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.229 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	22.4	33.6





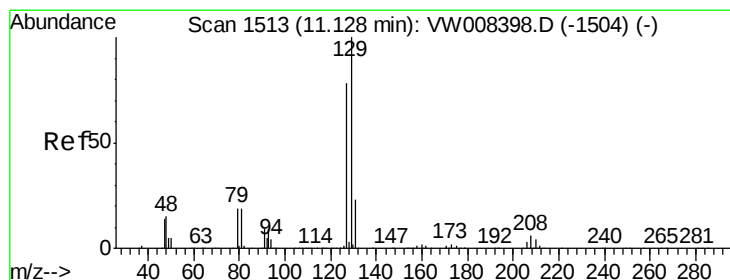
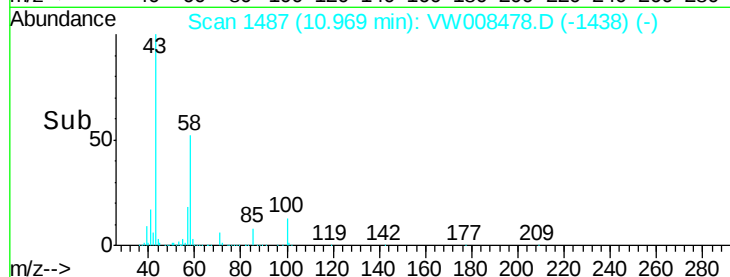
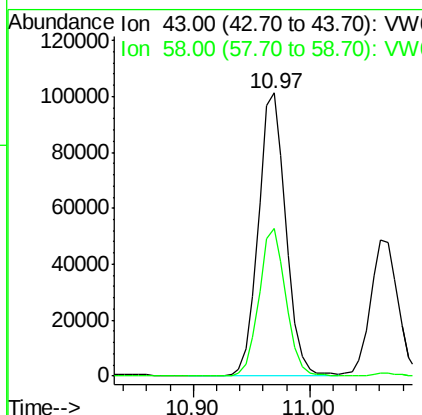
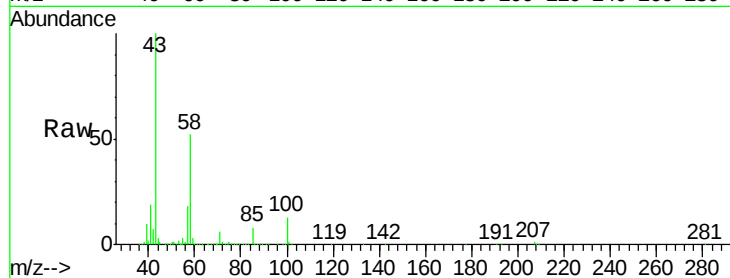
#59
2-Hexanone
Concen: 87.038 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion: 43 Resp: 165680
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.7

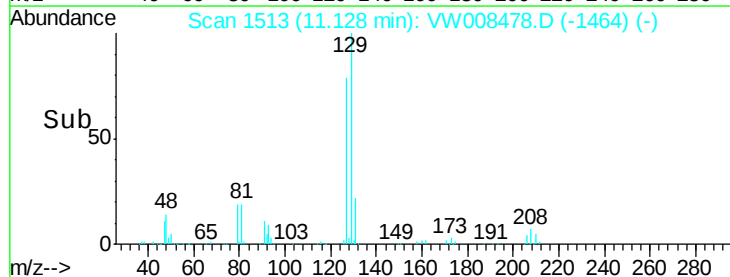
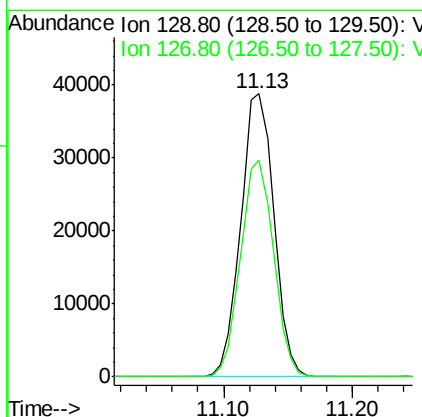
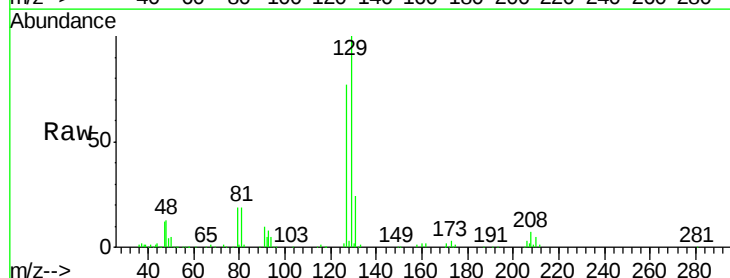
Manual Integrations
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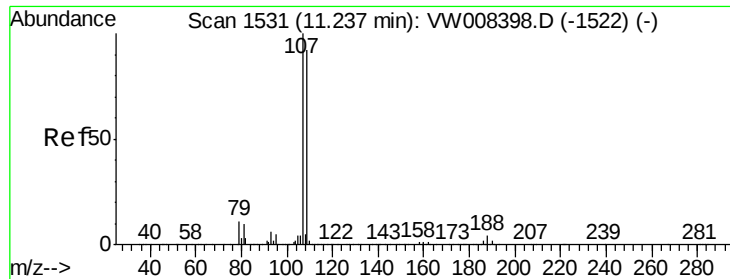
MMDadoda
2/4/2019 4:32:30 PM



#60
Dibromochloromethane
Concen: 18.363 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 129 Resp: 69164
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.356 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 107 Resp: 53347

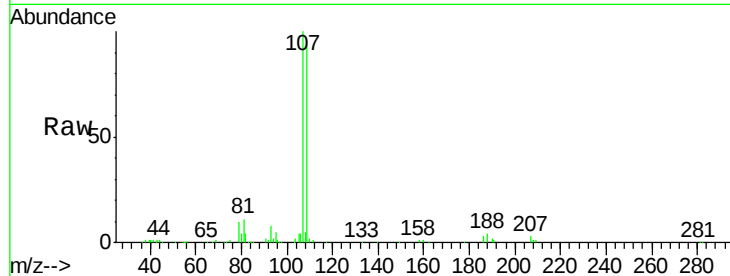
Ion Ratio Lower Upper

107 100

109 92.7 75.0 112.4

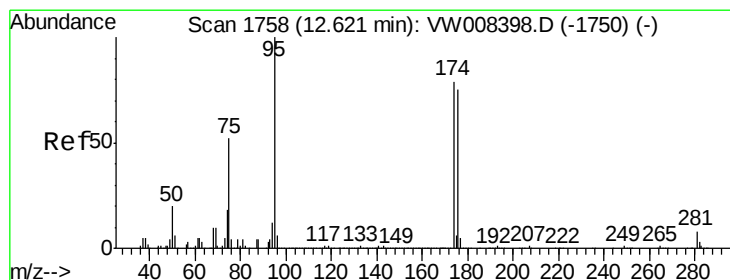
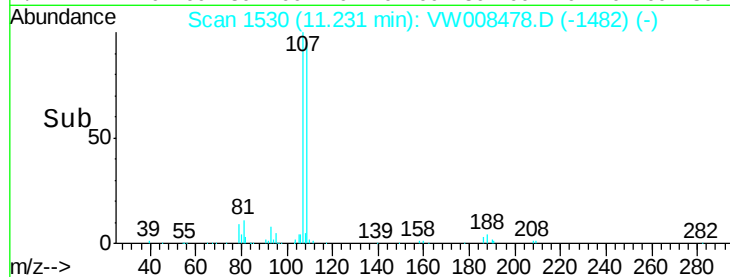
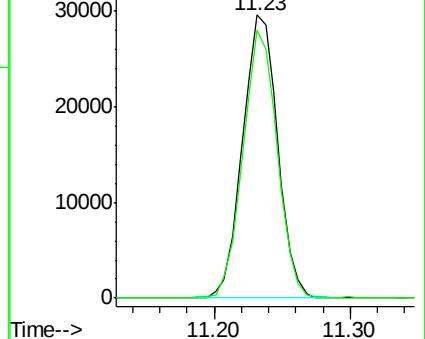
Manual Integrations
APPROVED

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2/4/2019 4:32:30 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.826 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

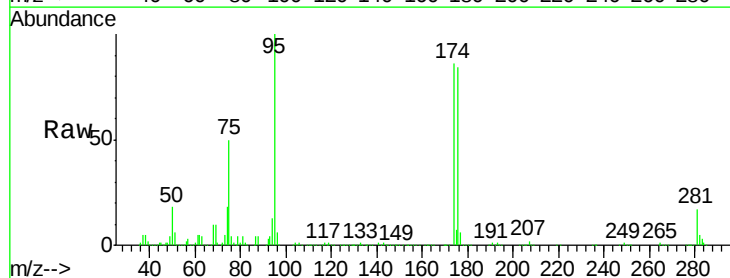
Tgt Ion: 95 Resp: 287967

Ion Ratio Lower Upper

95 100

174 83.8 0.0 157.6

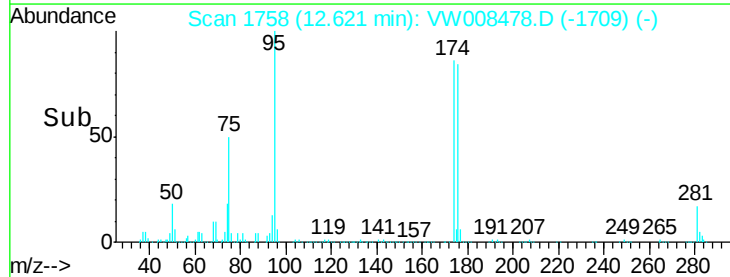
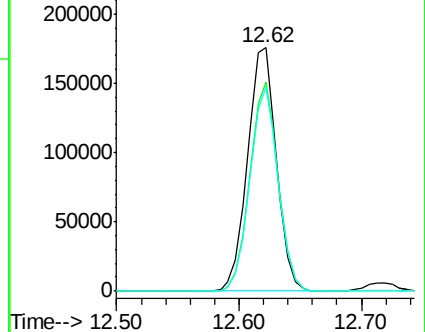
176 81.5 0.0 151.8

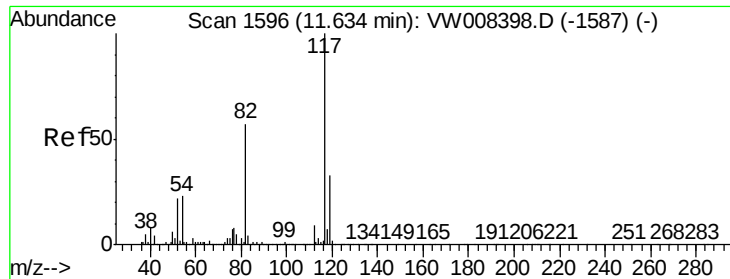


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





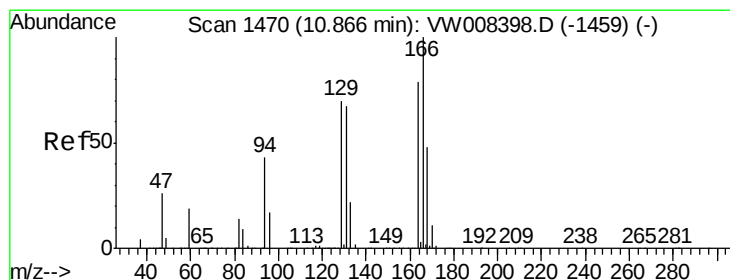
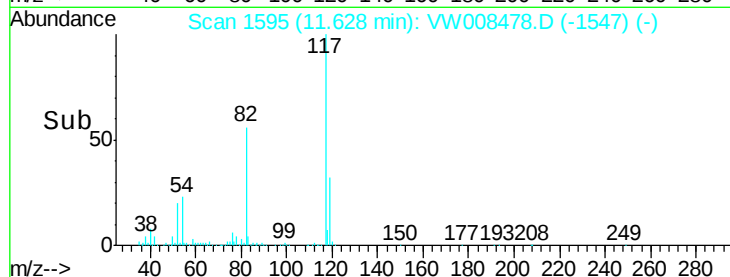
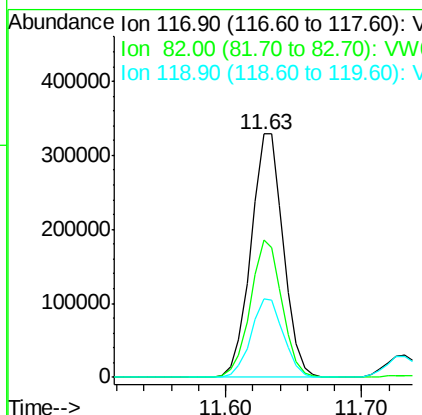
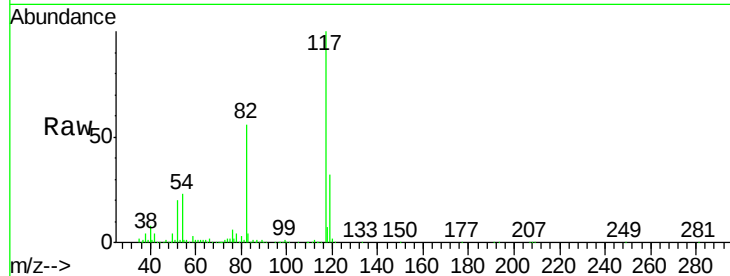
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.4	68.0
119	32.4	26.2	39.4

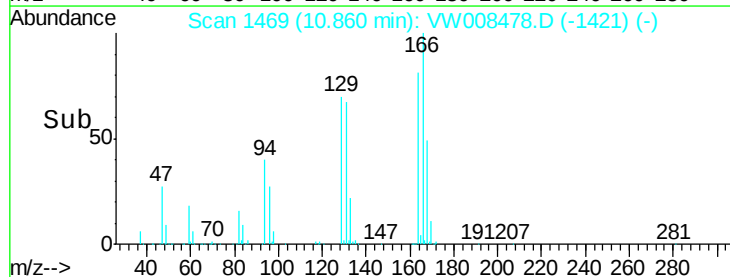
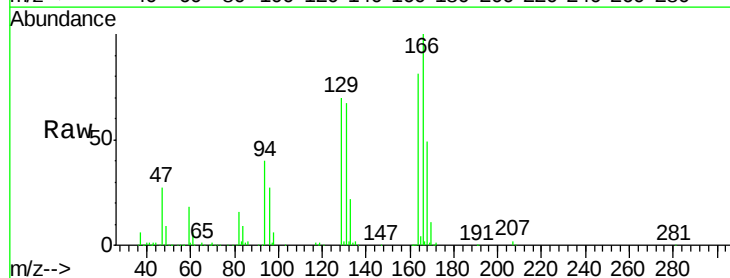
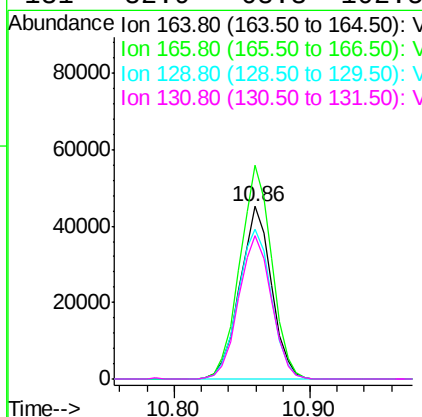
Manual Integrations
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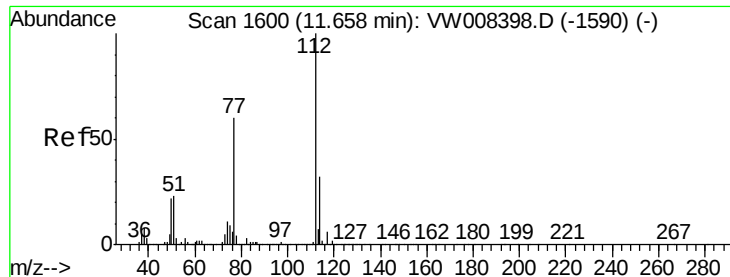
MMDadoda
2/4/2019 4:32:30 PM



#64
Tetrachloroethene
Concen: 19.692 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	101.4	152.0
129	86.6	71.0	106.6
131	82.9	68.3	102.5





#65

Chlorobenzene

Concen: 18.851 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion:112 Resp: 211626

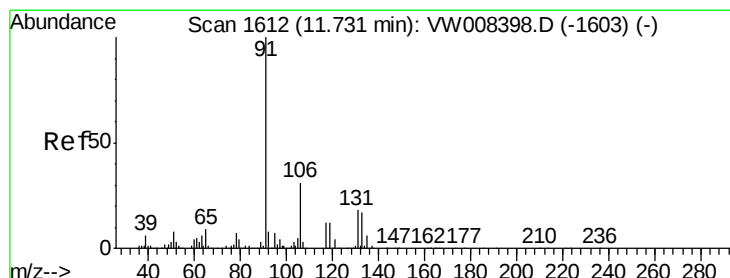
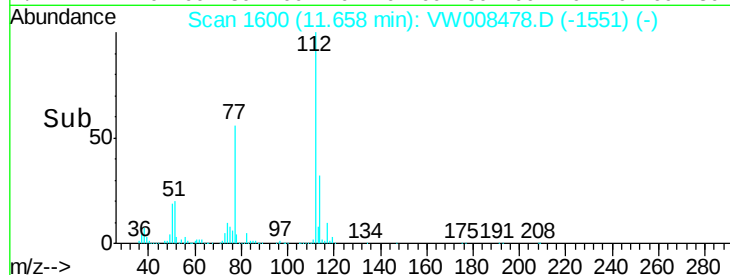
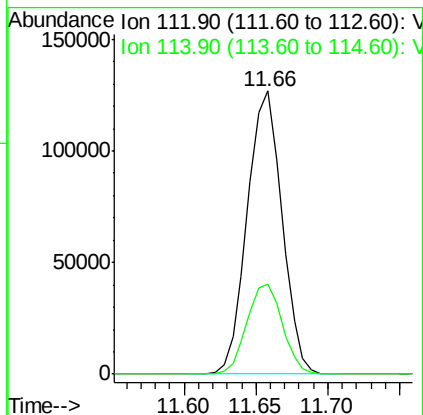
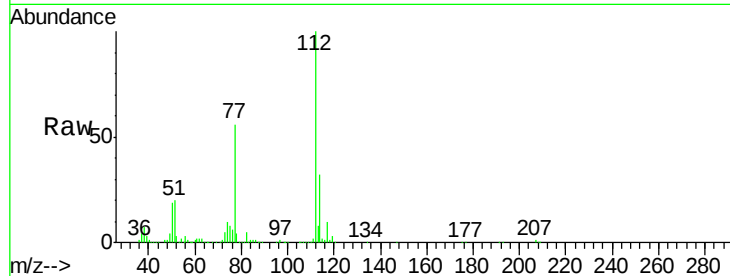
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.089 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

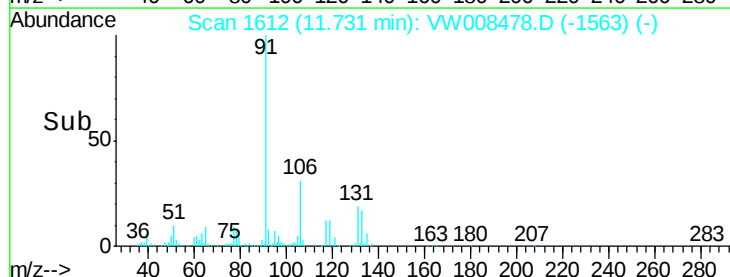
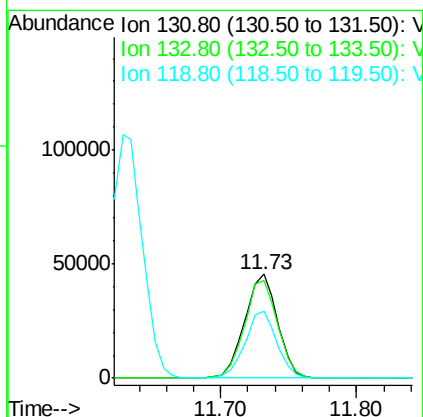
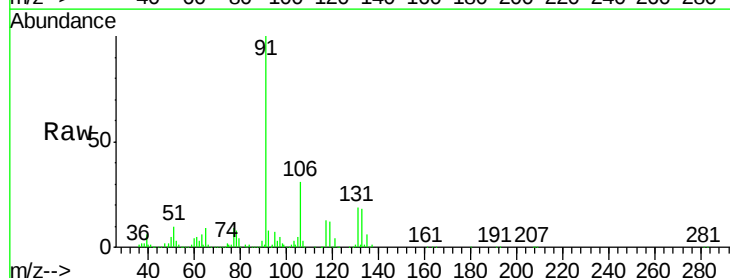
Tgt Ion:131 Resp: 76673

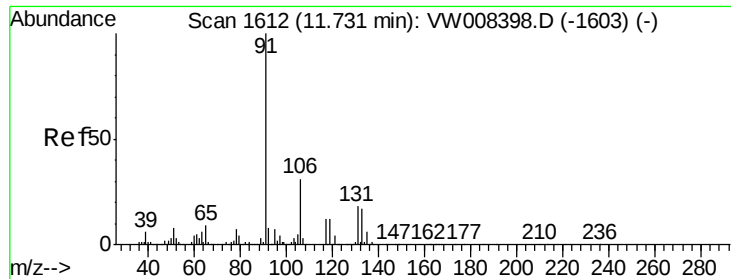
Ion Ratio Lower Upper

131 100

133 95.0 47.0 141.2

119 62.5 32.1 96.3





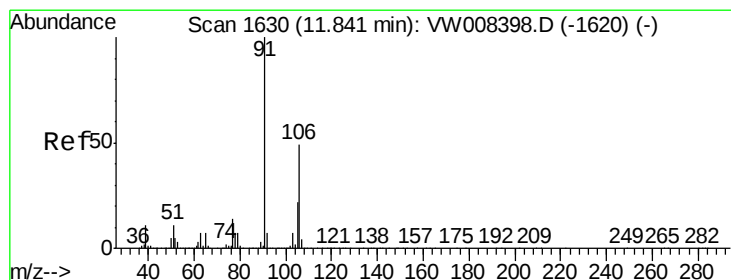
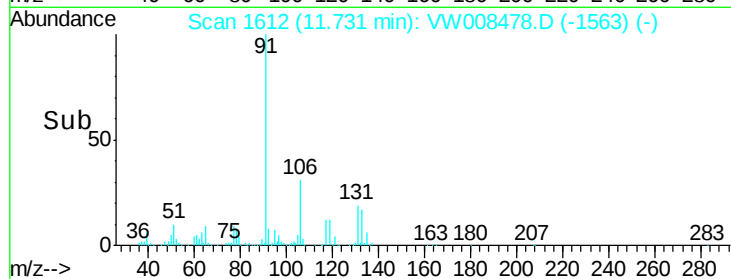
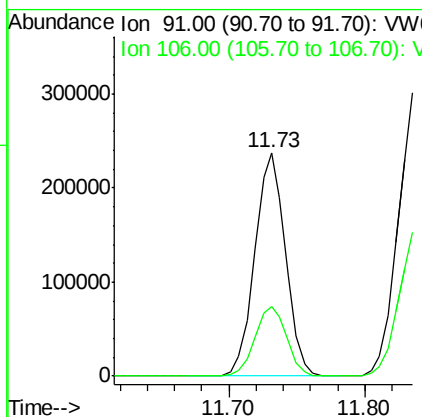
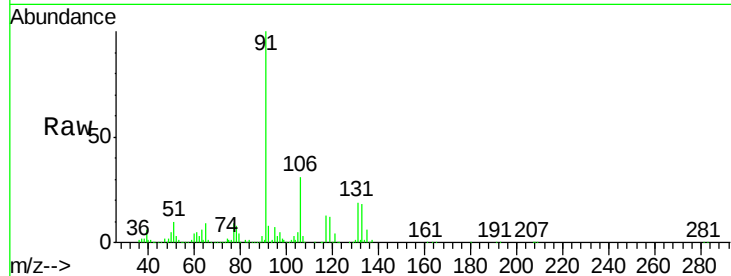
#67
Ethyl Benzene
Concen: 18.205 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion: 91 Resp: 375667
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1

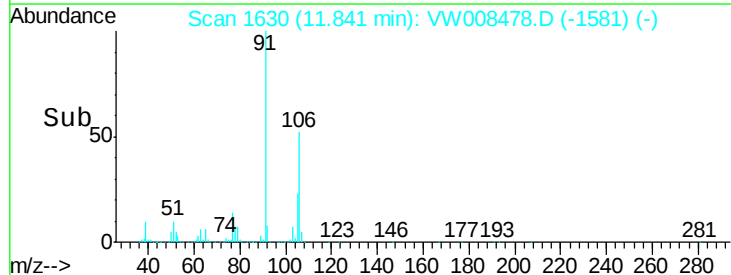
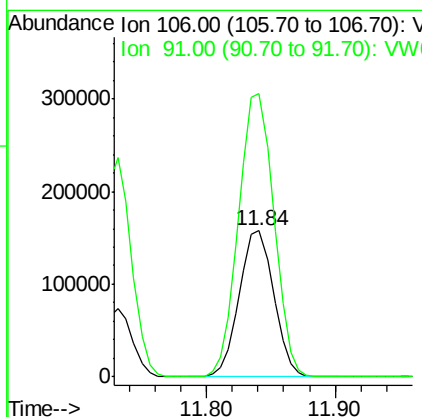
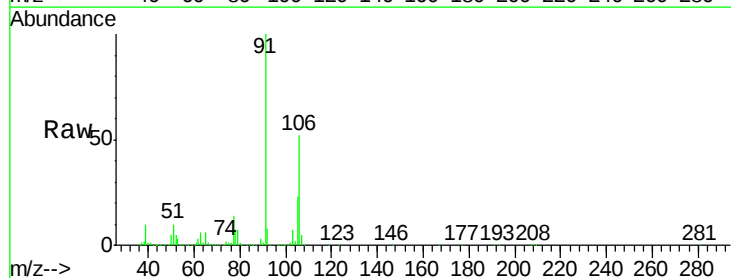
Manual Integrations
APPROVED

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2/4/2019 4:32:30 PM



#68
m/p-Xylenes
Concen: 36.582 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 106 Resp: 292896
Ion Ratio Lower Upper
106 100
91 198.5 162.9 244.3





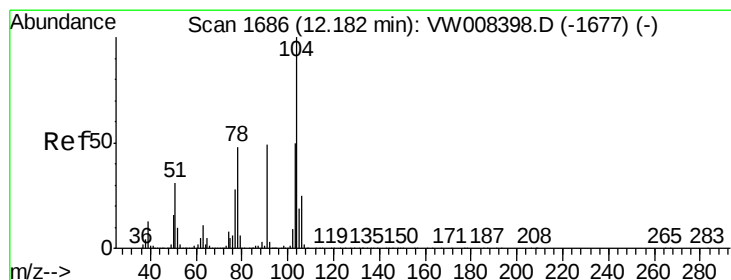
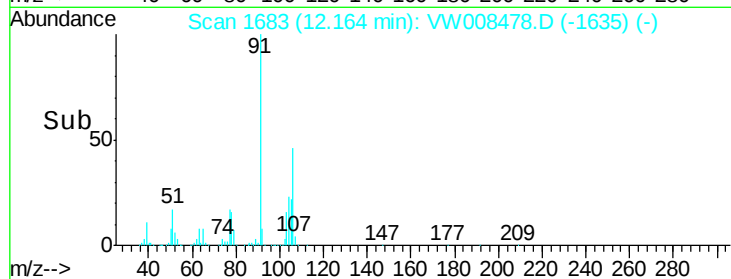
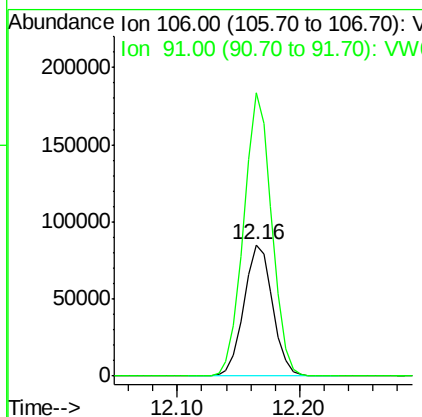
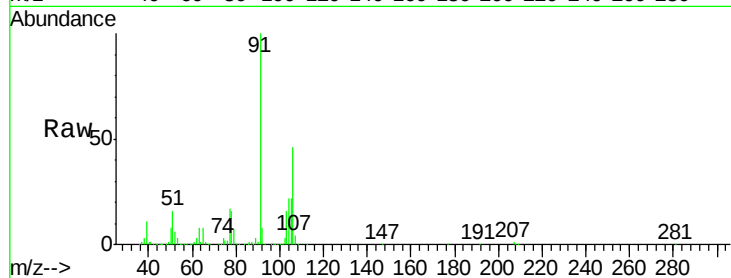
#69
o-Xylene
Concen: 18.193 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	107.5	322.4

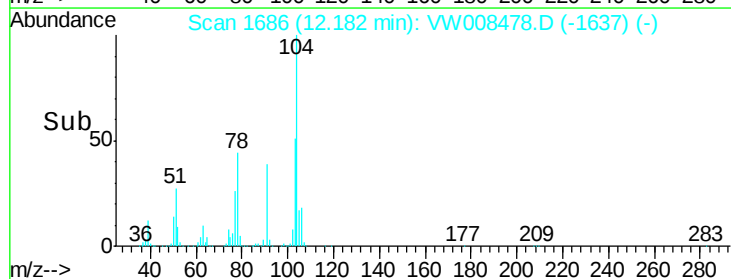
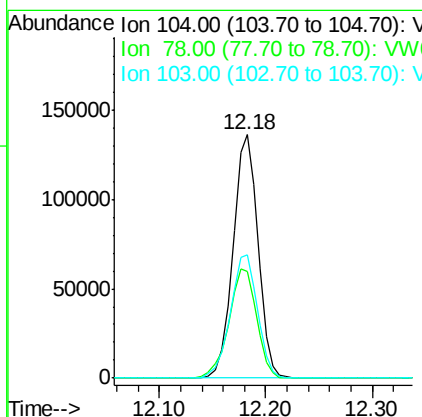
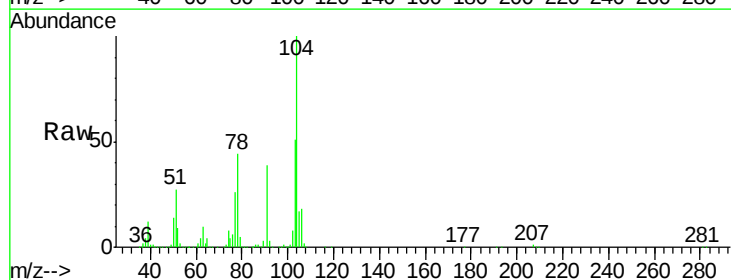
Manual Integrations
APPROVED

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2/4/2019 4:32:30 PM



#70
Styrene
Concen: 17.765 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	42.4	63.6
103	55.5	43.4	65.0





#71

Bromoform

Concen: 18.161 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

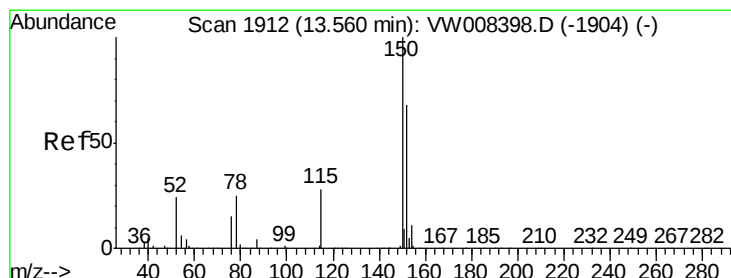
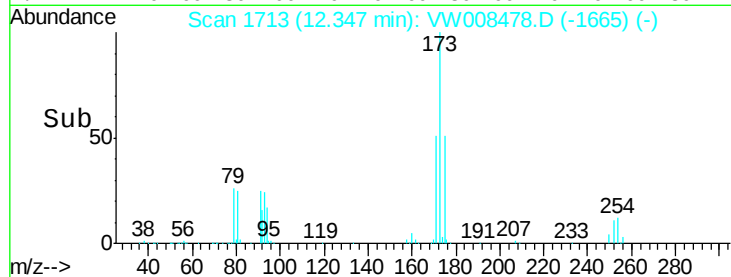
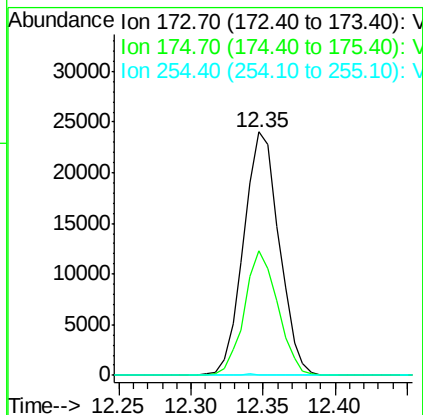
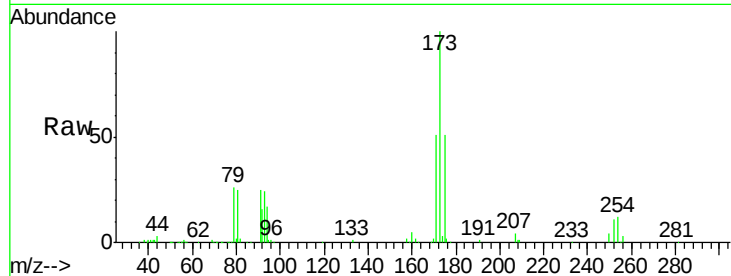
ClientSampleId :

VW0201SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.4
254	0.2	0.2	0.2

Manual Integrations
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2/4/2019 4:32:30 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

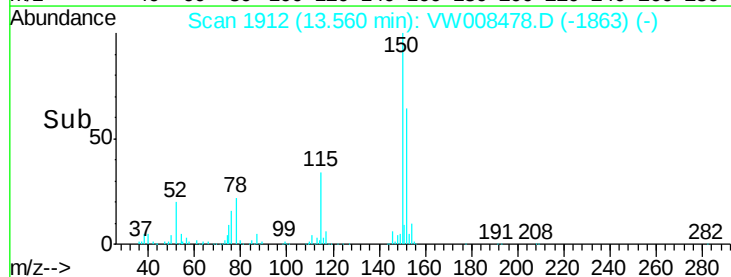
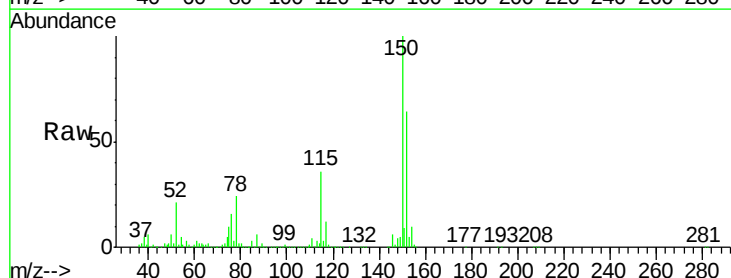
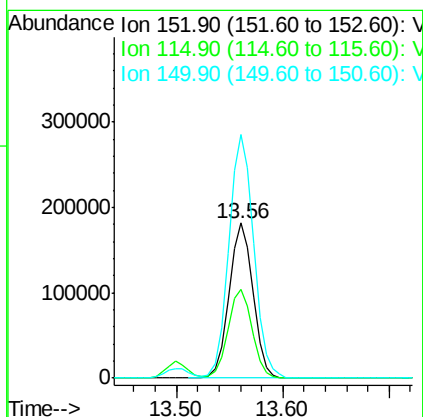
RT: 13.56 min Scan# 1912

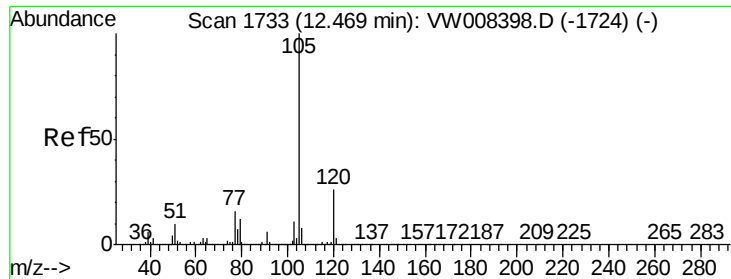
Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.9	89.7
150	163.6	0.0	351.4





#73

Isopropylbenzene

Concen: 18.032 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 105 Resp: 383733

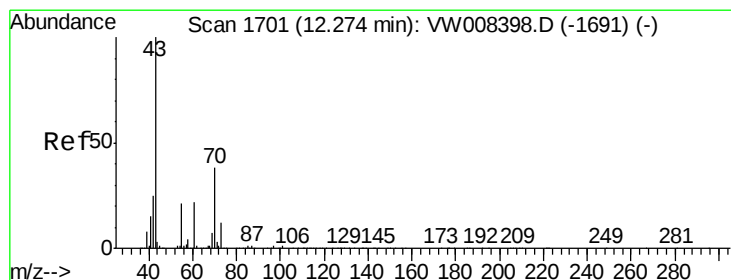
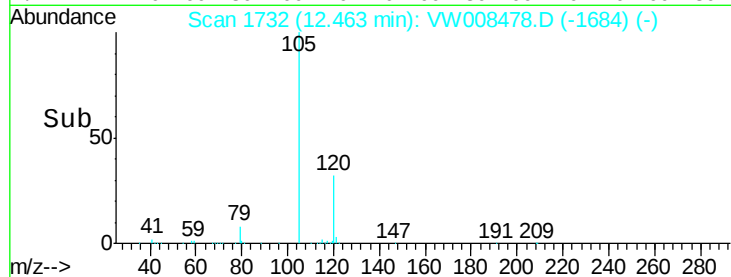
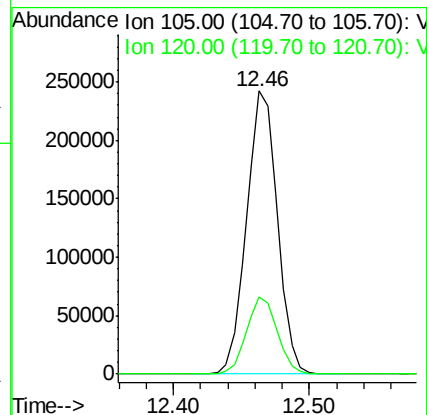
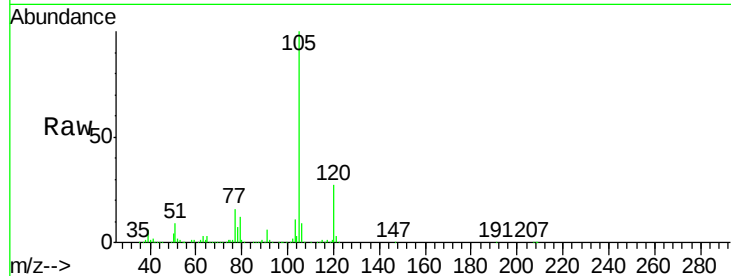
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 16.543 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion: 43 Resp: 90691

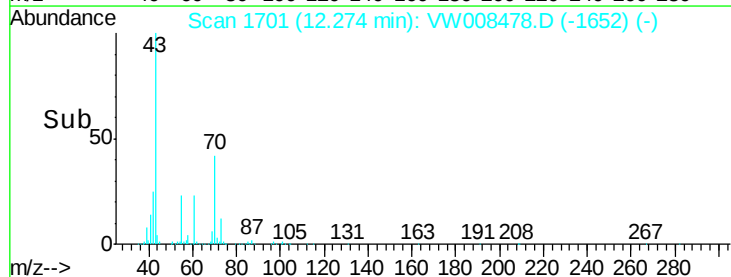
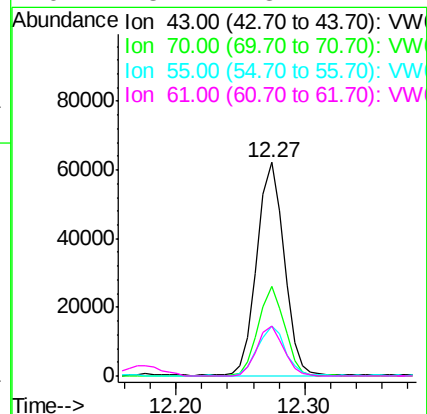
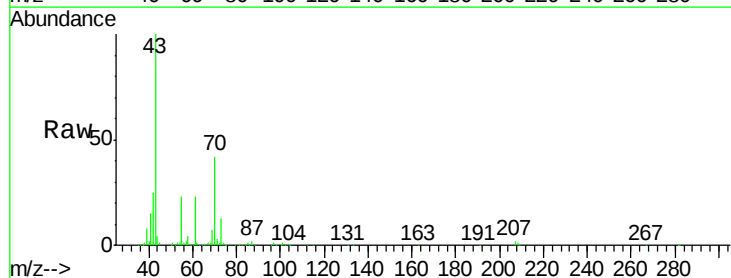
Ion Ratio Lower Upper

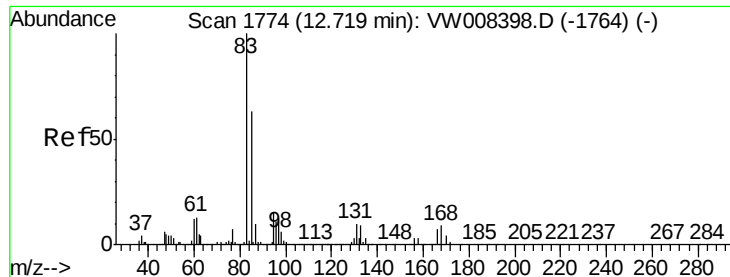
43 100

70 40.7 31.0 46.6

55 23.4 17.4 26.2

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.144 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

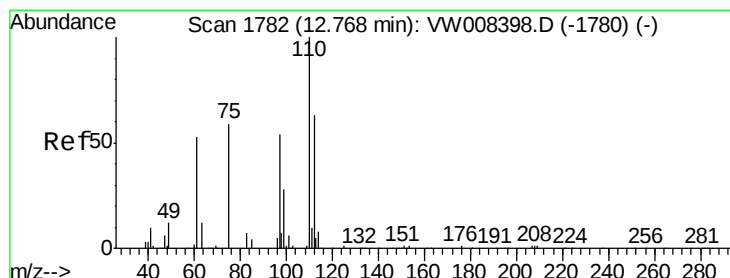
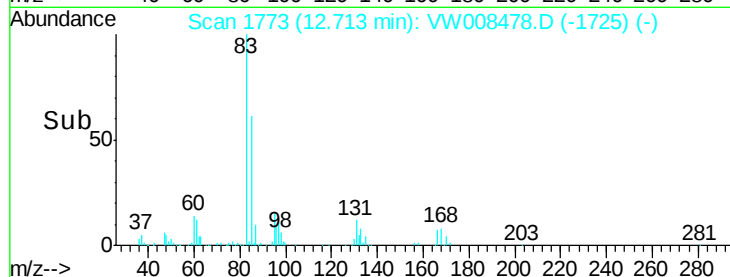
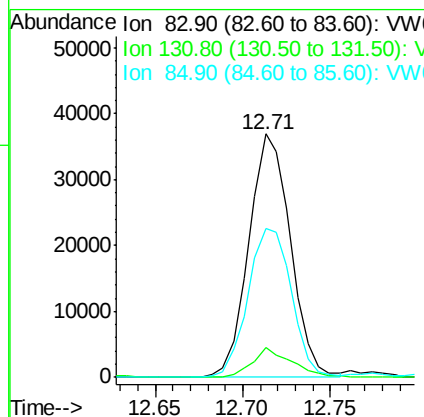
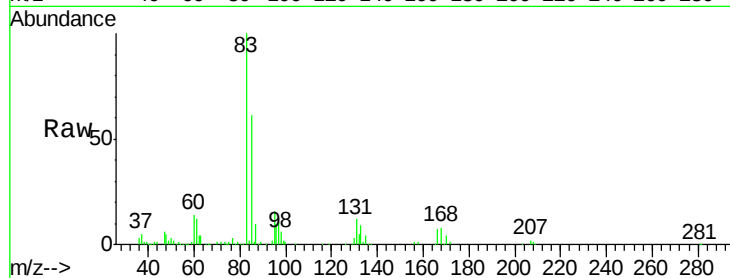
ClientSampleId :

VW0201SBS01

Tot Ion:	83	Resp:	61131
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.5	16.4
85	64.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.478 ug/l m

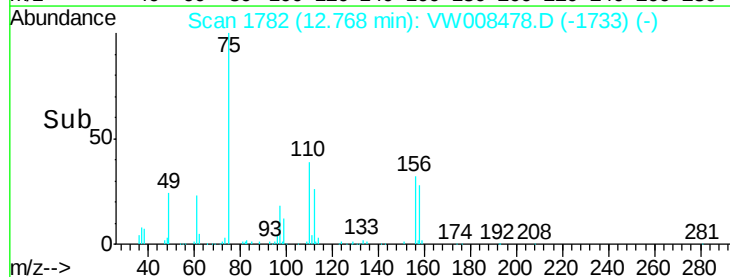
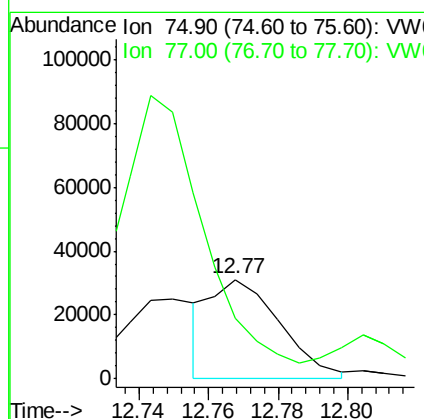
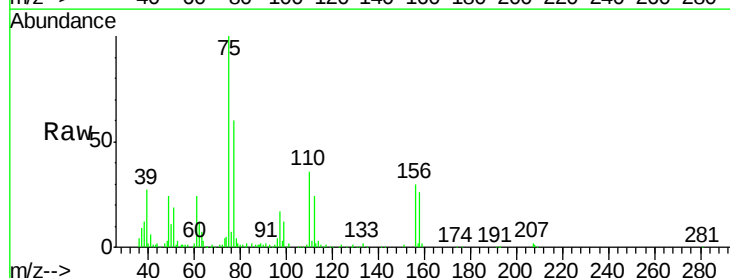
RT: 12.77 min Scan# 1782

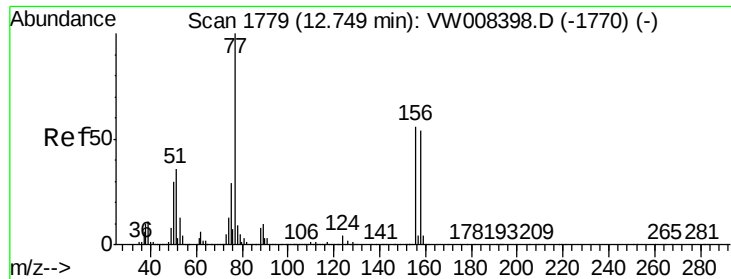
Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:	75	Resp:	43377
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





#77

Bromobenzene

Concen: 19.008 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

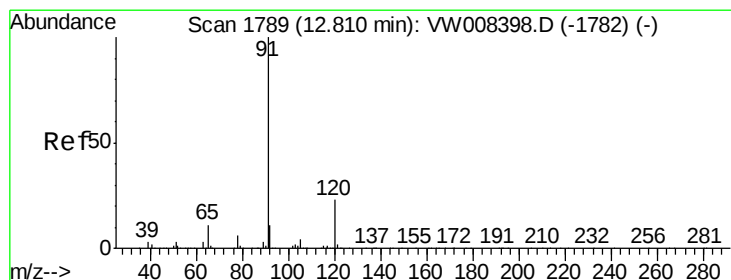
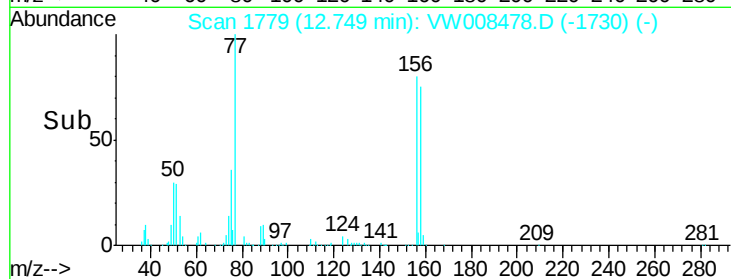
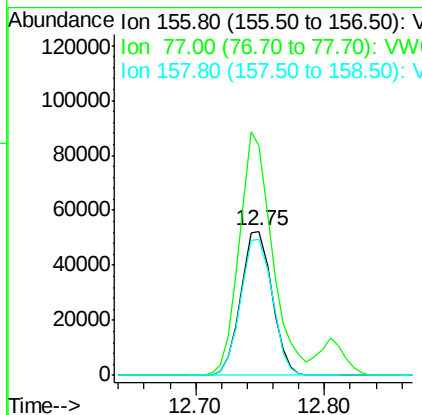
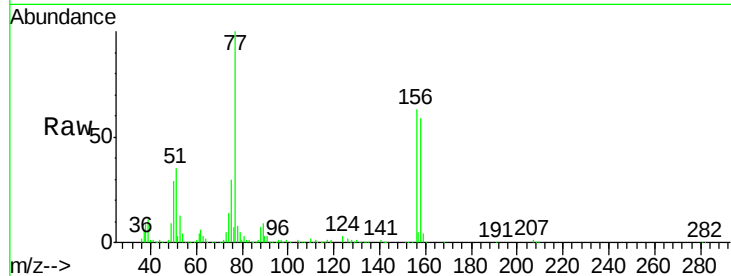
ClientSampleId :

VW0201SBS01

Tot Ion:	156	Resp:	88338
Ion Ratio	Lower	Upper	
156	100		
77	177.2	96.9	290.7
158	95.4	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 17.885 ug/l

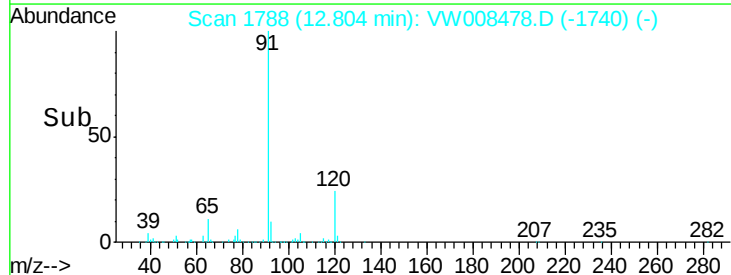
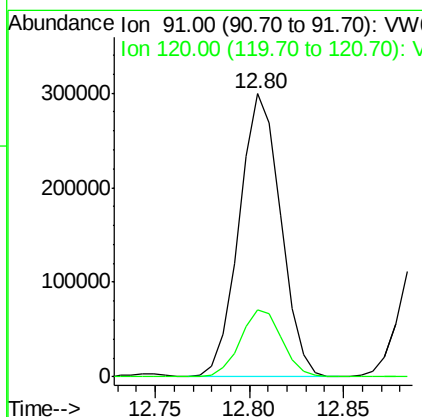
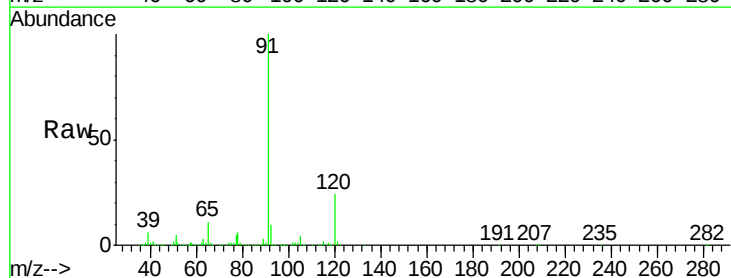
RT: 12.80 min Scan# 1788

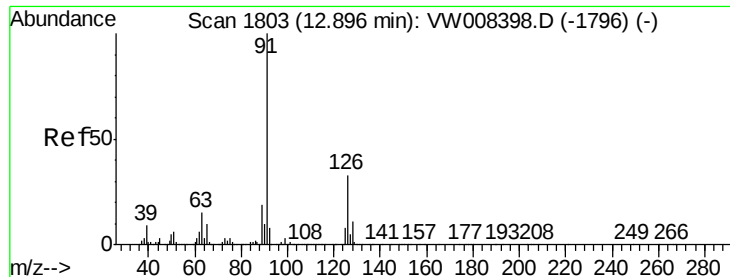
Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:	91	Resp:	457131
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.697 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 91 Resp: 255240

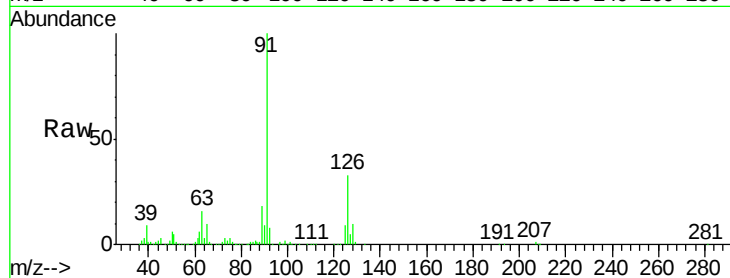
Ion Ratio Lower Upper

91 100

126 35.6 16.5 49.5

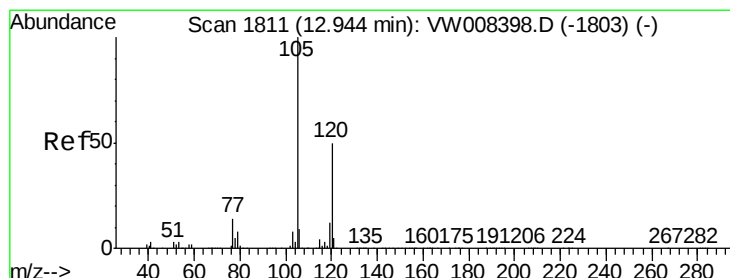
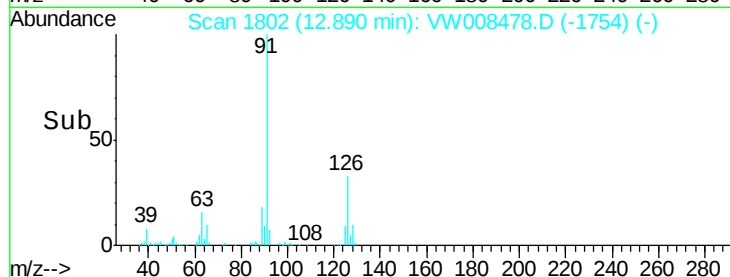
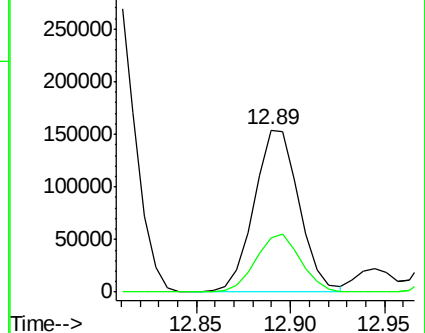
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.037 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008478.D

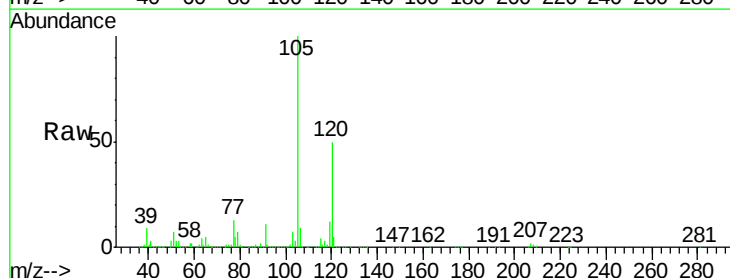
Acq: 01 Feb 2019 13:44

Tgt Ion: 105 Resp: 320833

Ion Ratio Lower Upper

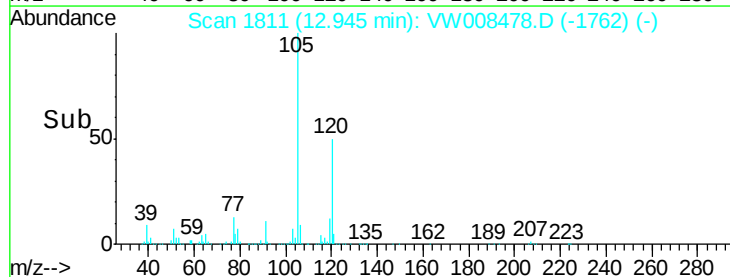
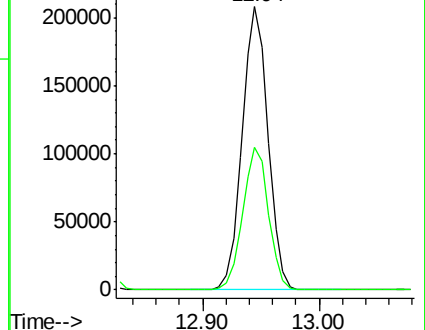
105 100

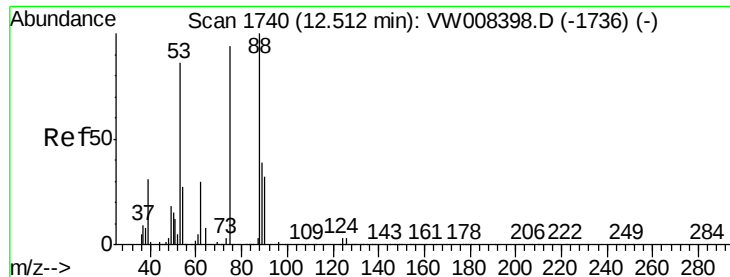
120 50.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





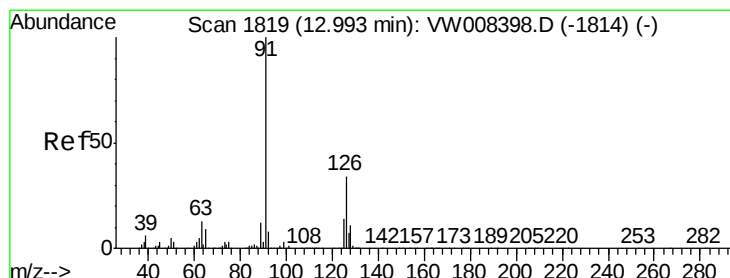
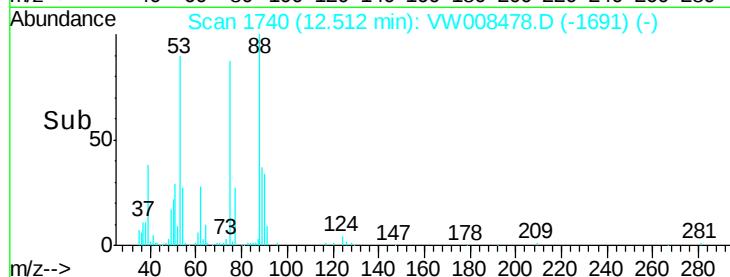
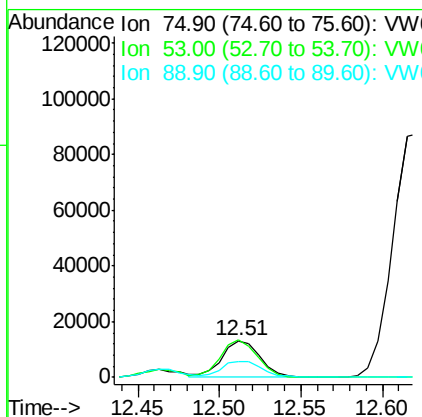
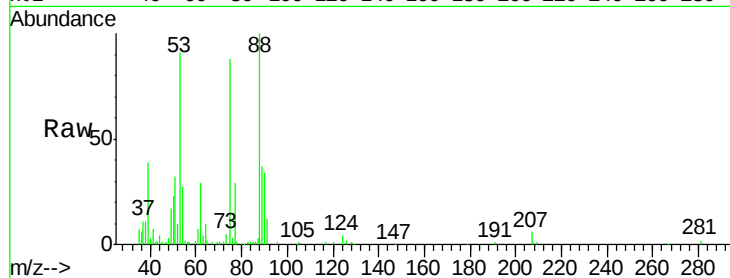
#81
trans-1,4-Dichloro-2-butene
Concen: 16.830 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	76.0	114.0
89	46.6	35.4	53.0

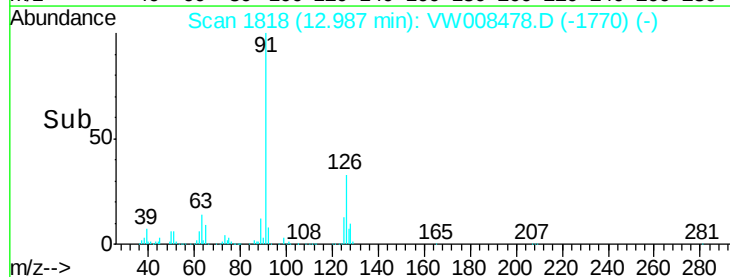
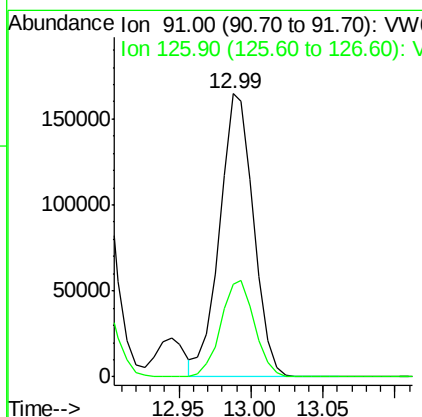
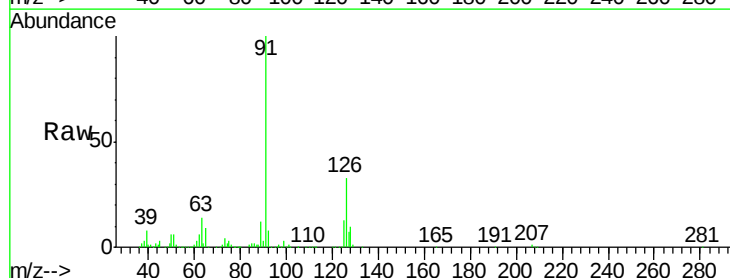
Manual Integrations
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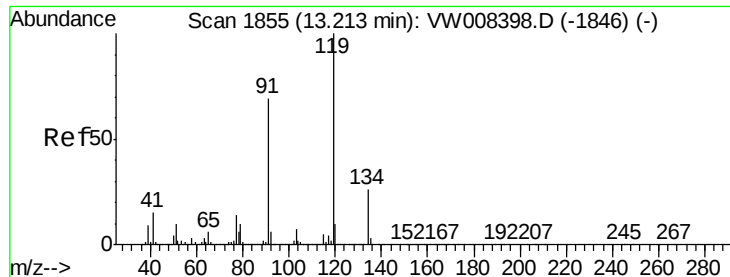
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#82
4-Chlorotoluene
Concen: 17.592 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.2





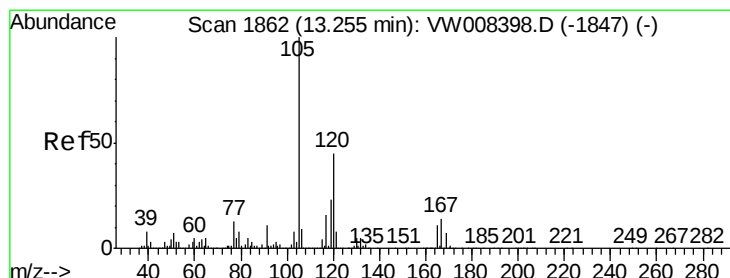
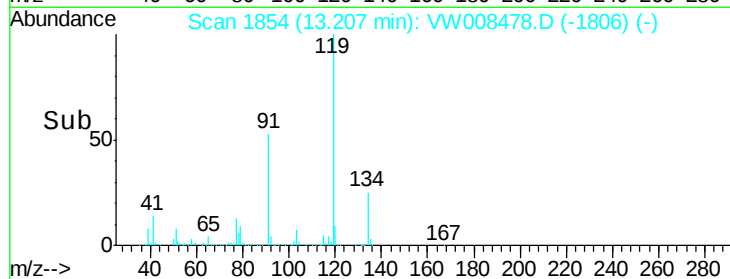
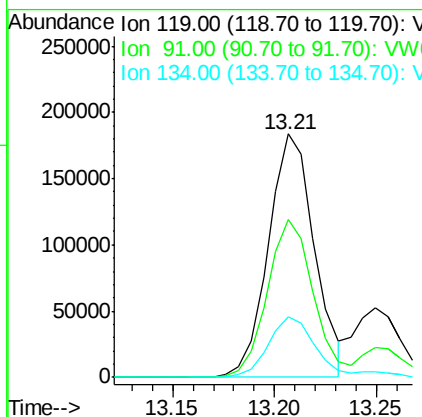
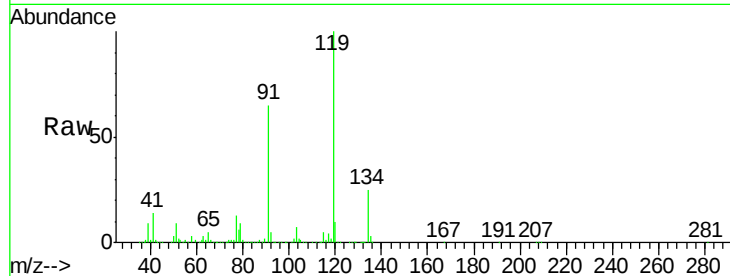
#83
tert-Butylbenzene
Concen: 18.215 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	288308		
91	65.1	33.8	101.4	
134	25.0	13.5	40.4	

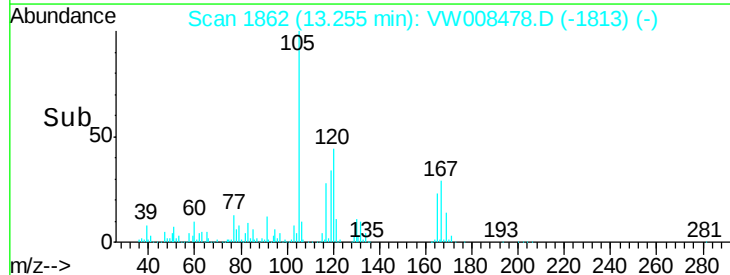
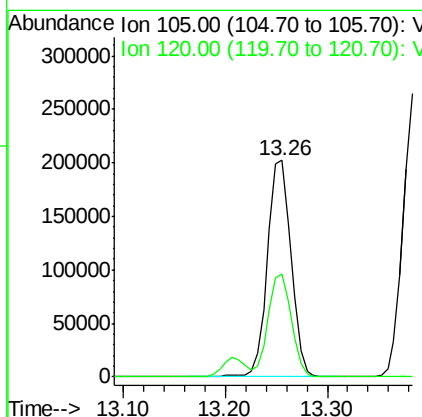
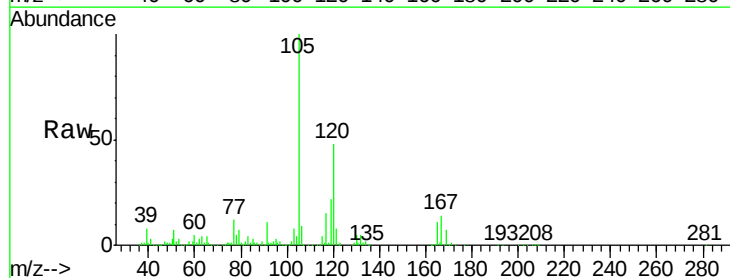
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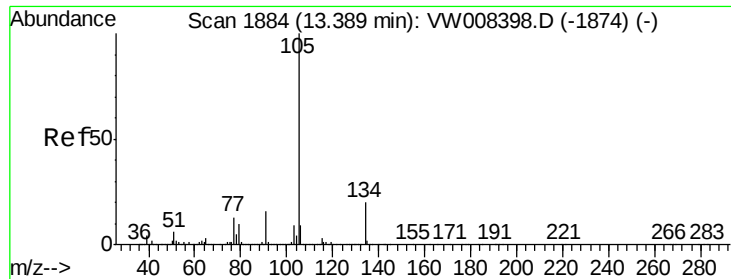
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#84
1,2,4-Trimethylbenzene
Concen: 17.966 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	324815		
120	46.9	23.1	69.2	





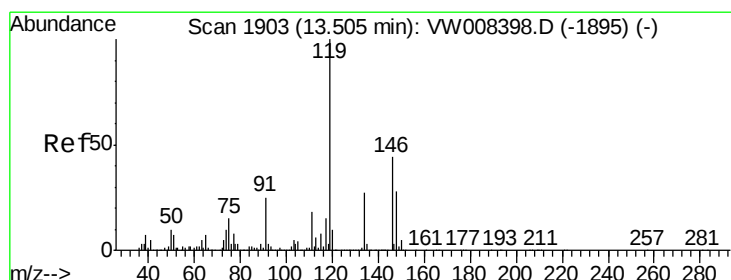
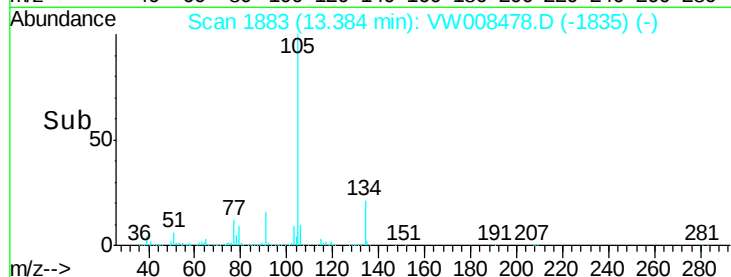
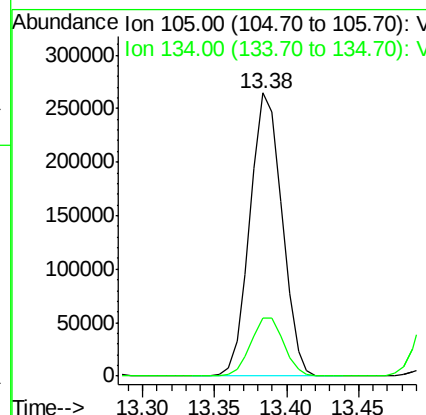
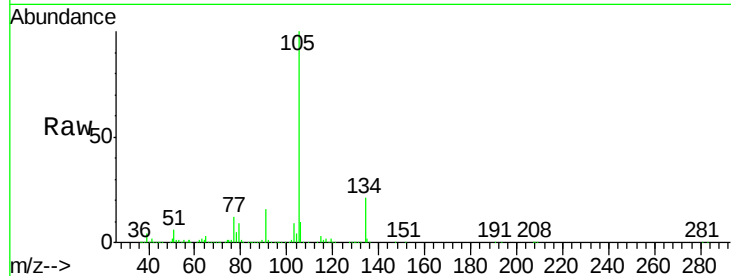
#85
 sec-Butylbenzene
 Concen: 18.005 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.2	30.6

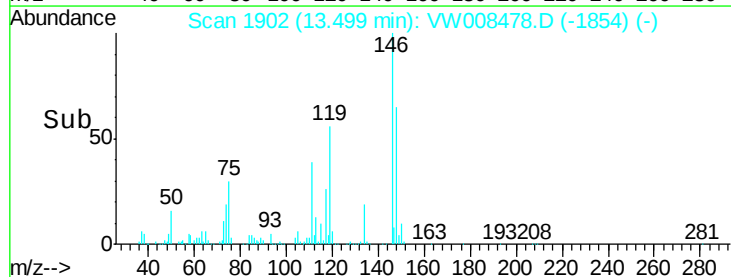
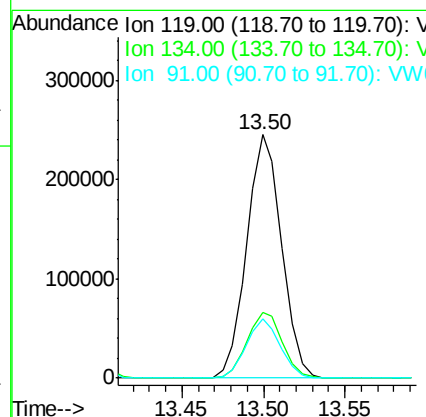
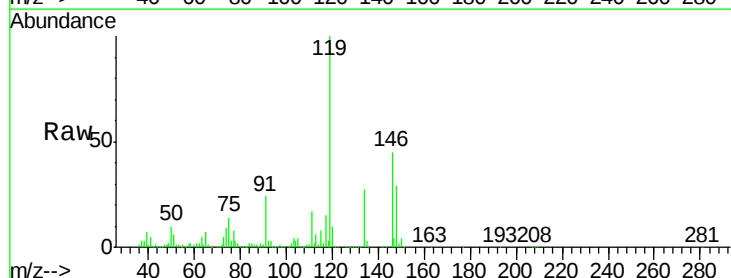
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 18.351 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.4	40.2
91	23.6	12.6	37.6





#87

1,3-Dichlorobenzene

Concen: 18.662 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

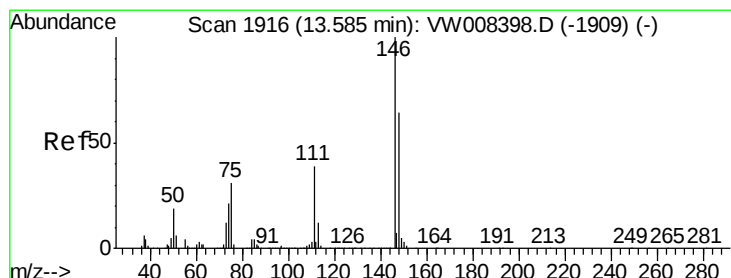
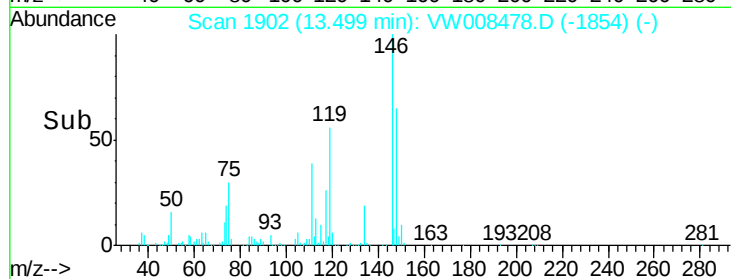
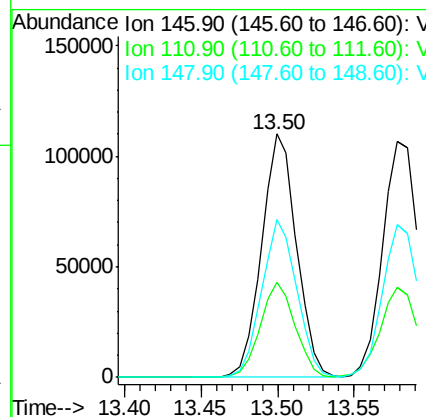
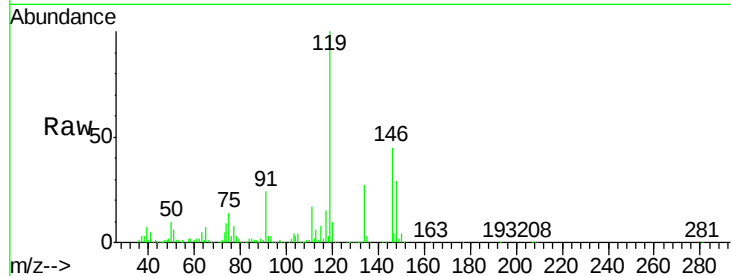
Instrument :
MSVOA_W

ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	38.8	20.3	60.9
148	65.0	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.789 ug/l

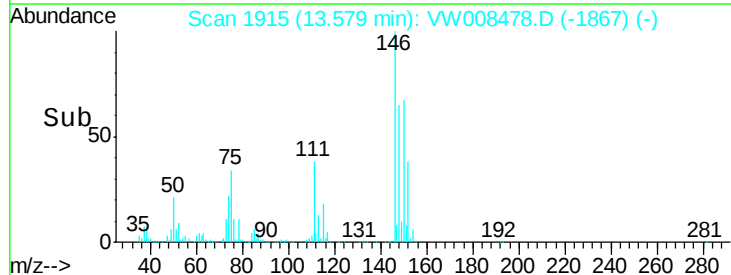
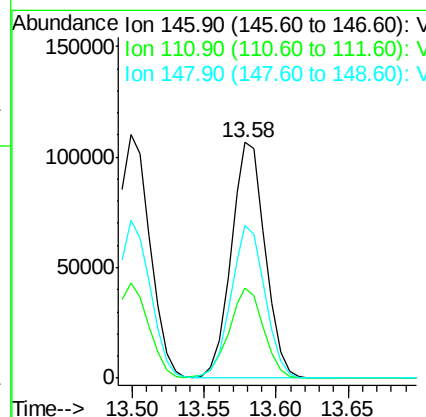
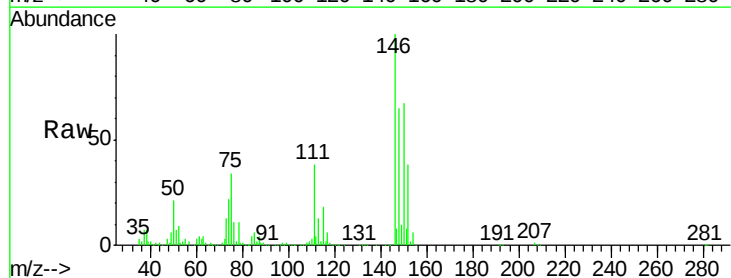
RT: 13.58 min Scan# 1915

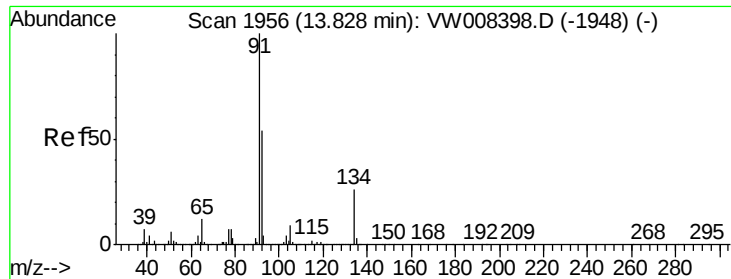
Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.2	20.0	60.0
148	64.6	32.0	96.2





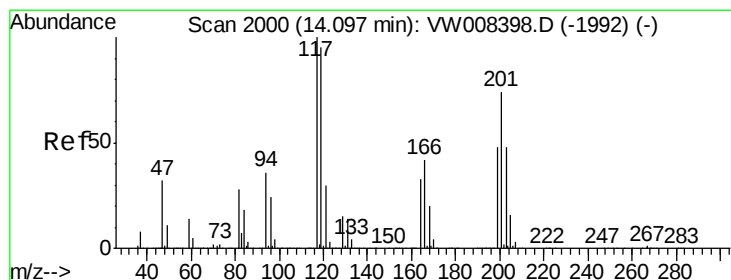
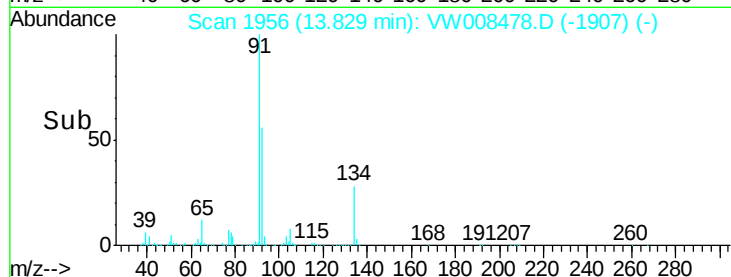
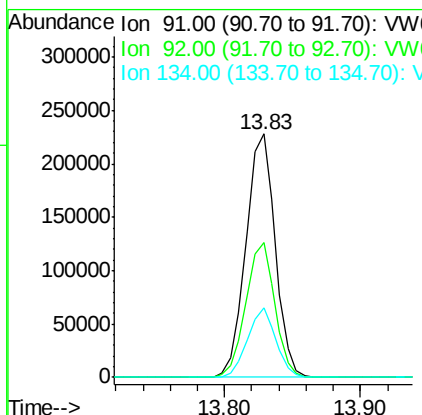
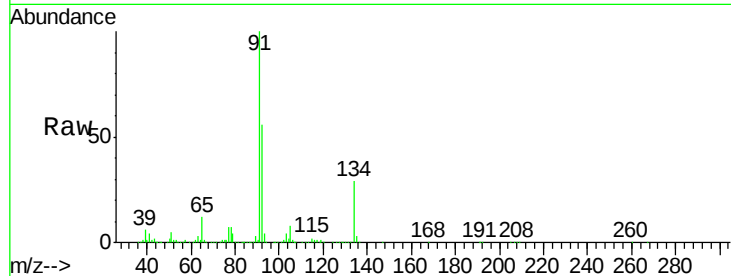
#89
n-Butylbenzene
Concen: 17.636 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.4	82.2
134	27.7	13.0	39.0

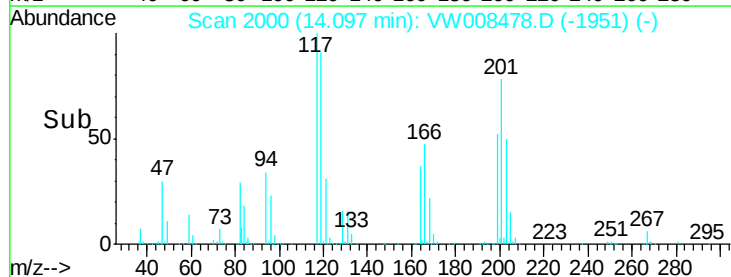
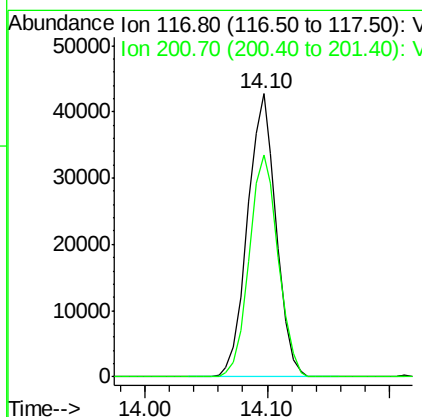
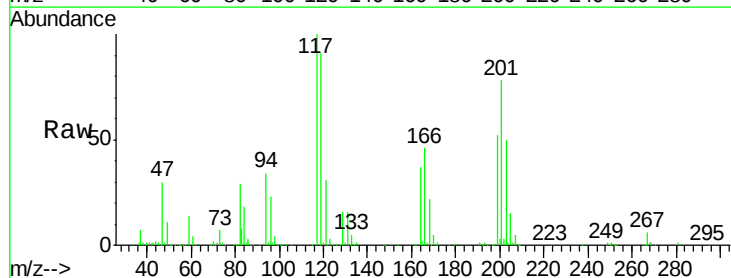
Manual Integrations
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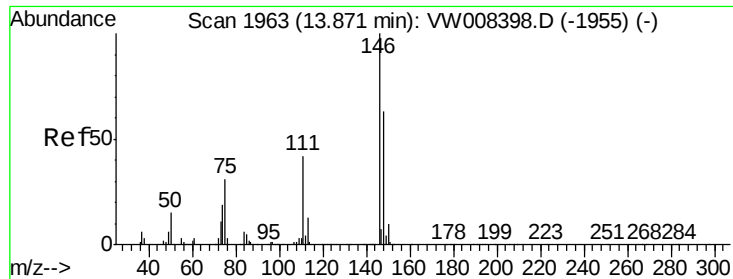
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#90
Hexachloroethane
Concen: 17.907 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 18.631 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

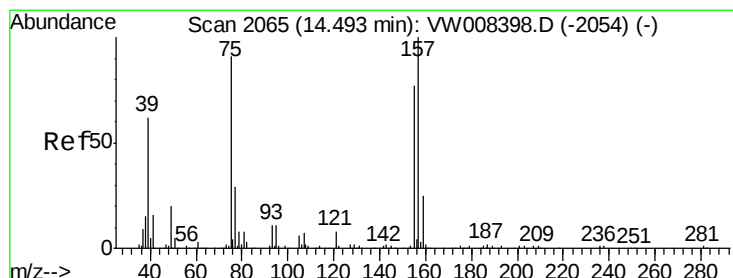
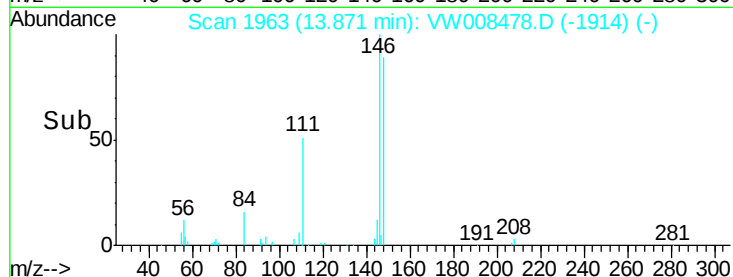
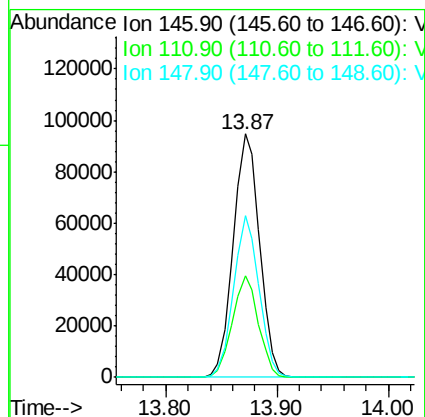
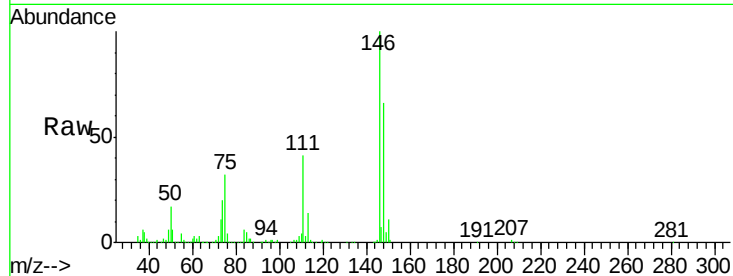
ClientSampleId :

VW0201SBS01

Tot Ion:	146	Resp:	154731
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.1	63.3
148	64.1	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.930 ug/l

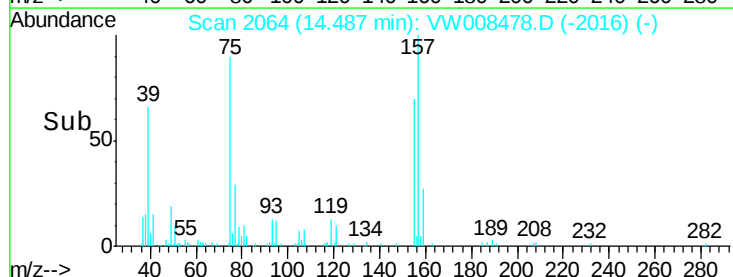
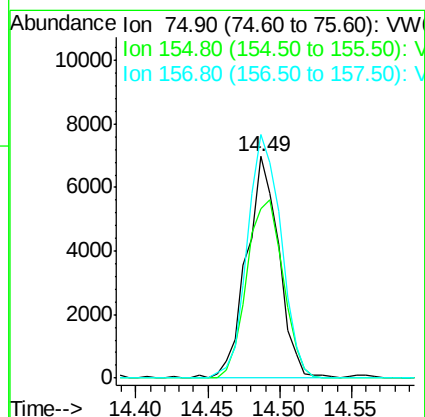
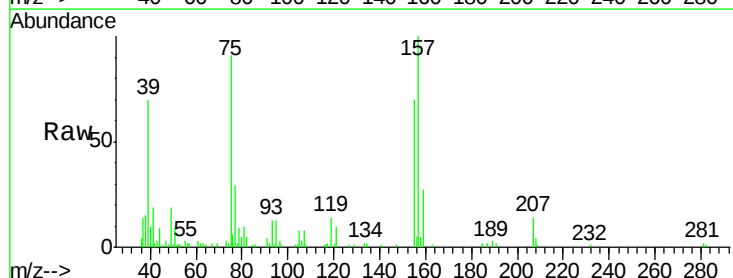
RT: 14.49 min Scan# 2064

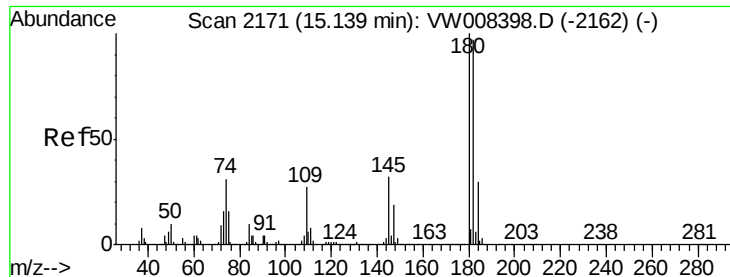
Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:	75	Resp:	10823
Ion Ratio	Lower	Upper	
75	100		
155	90.0	42.7	128.1
157	114.3	55.5	166.3





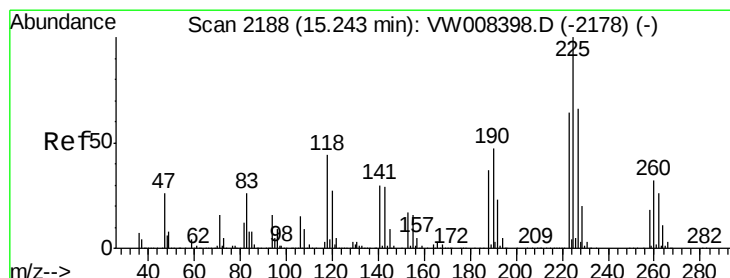
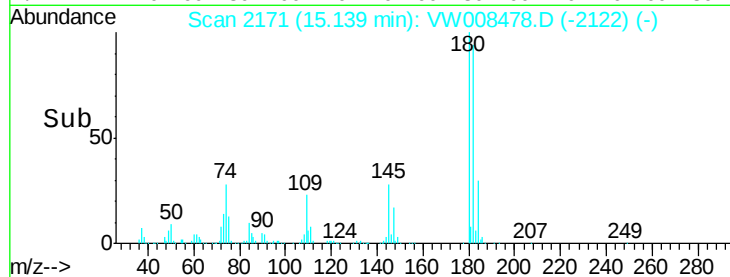
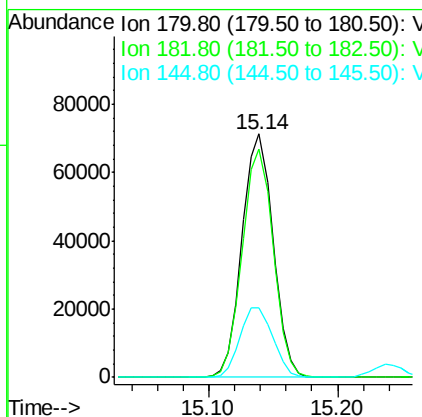
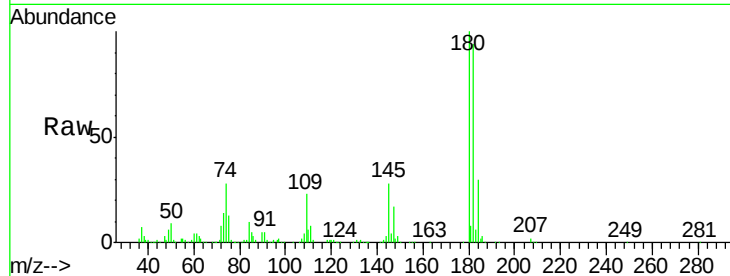
#93
 1,2,4-Trichlorobenzene
 Concen: 20.032 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118720		
182	93.7	47.9	143.7	
145	30.6	15.5	46.5	

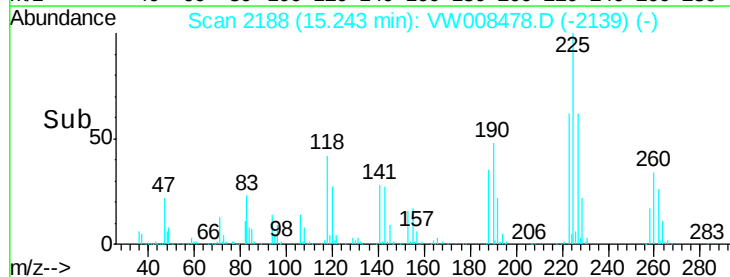
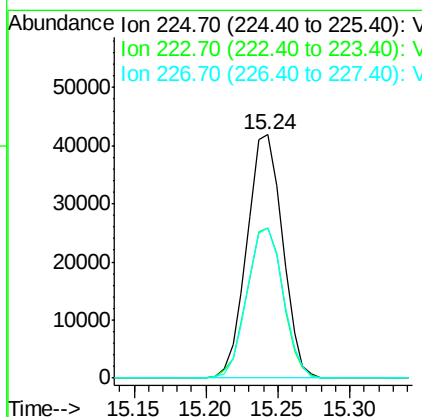
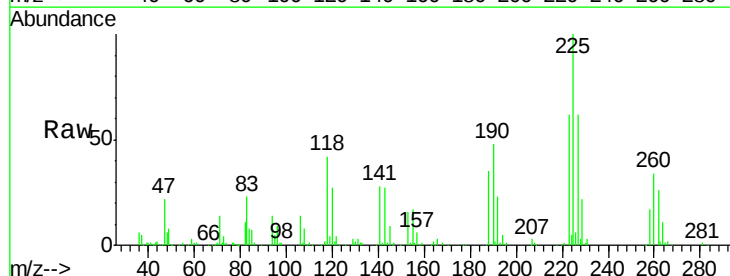
Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:32:30 PM



#94
 Hexachlorobutadiene
 Concen: 20.094 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71769		
223	62.6	31.7	95.1	
227	62.4	32.1	96.3	





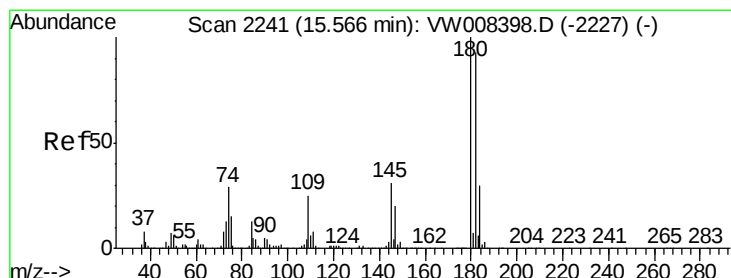
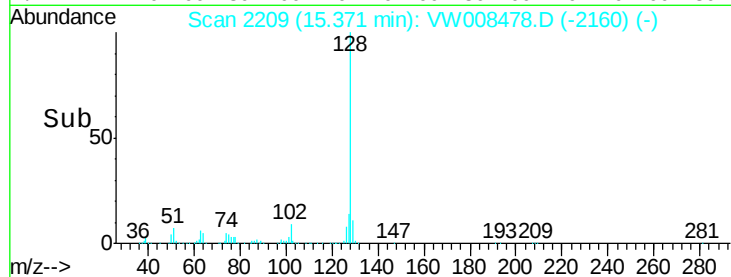
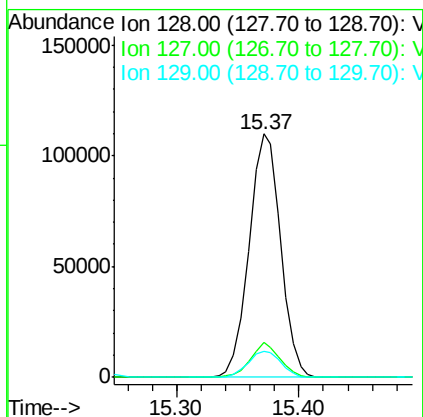
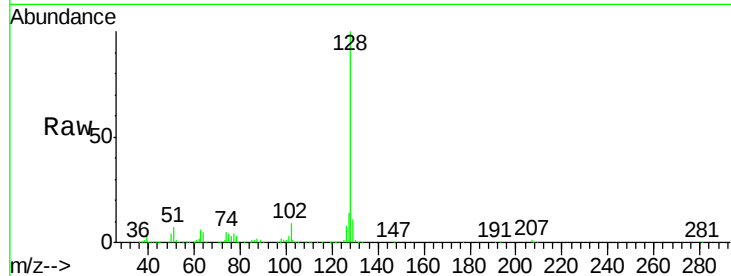
#95
Naphthalene
Concen: 18.949 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:32:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.917 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.3	47.0	141.2
145	32.9	15.9	47.6

