

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008483.D
 Acq On : 01 Feb 2019 15:56
 Operator : SY/VA
 Sample : K1297-03MSD
 Misc : 1.81G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MSD

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:32:40 PM

Quant Time: Feb 02 02:01:38 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	297813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	172744	59.04	ug/l	0.00
Spiked Amount			Recovery	=	118.08%	
35) Dibromofluoromethane	7.88	113	160811	61.31	ug/l	0.00
Spiked Amount			Recovery	=	122.62%	
50) Toluene-d8	10.32	98	551336	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.62	95	166954	41.30	ug/l	0.00
Spiked Amount			Recovery	=	82.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	79537	46.461	ug/l	94
3) Chloromethane	2.21	50	123274	50.710	ug/l	98
4) Vinyl Chloride	2.37	62	160425	51.841	ug/l	99
5) Bromomethane	2.78	94	116602	58.418	ug/l	96
6) Chloroethane	2.92	64	119235	63.002	ug/l	98
7) Trichlorofluoromethane	3.25	101	139489	51.651	ug/l	97
8) Diethyl Ether	3.67	74	96352	64.875	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	141266	52.445	ug/l	97
10) Methyl Iodide	4.26	142	215323	50.610	ug/l	99
11) Tert butyl alcohol	5.19	59	69925	296.852	ug/l	97
12) 1,1-Dichloroethene	4.03	96	147438	54.087	ug/l	99
13) Acrolein	3.89	56	17547	87.203	ug/l	99
14) Allyl chloride	4.66	41	263267	50.860	ug/l	99
15) Acrylonitrile	5.37	53	191690	298.901	ug/l	98
16) Acetone	4.12	43	200032	304.455	ug/l	97
17) Carbon Disulfide	4.37	76	371276	42.645	ug/l	100
18) Methyl Acetate	4.67	43	375968	214.545	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	313156	69.433	ug/l	99
20) Methylene Chloride	4.90	84	186486	61.582	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	154487	50.409	ug/l	97
22) Diisopropyl ether	6.31	45	544284	55.481	ug/l	97
23) Vinyl Acetate	6.31	43	286444	49.449	ug/l #	74
24) 1,1-Dichloroethane	6.21	63	308215	55.504	ug/l	99
25) 2-Butanone	7.17	43	286354	313.784	ug/l	99
26) 2,2-Dichloropropane	7.16	77	193972	51.677	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	182903	54.762	ug/l	96
28) Bromochloromethane	7.51	49	130682	51.237	ug/l	92
29) Tetrahydrofuran	7.52	42	189835	328.261	ug/l	97
30) Chloroform	7.67	83	310085	56.772	ug/l	100
31) Cyclohexane	7.95	56	210448	36.651	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	258190	54.729	ug/l	99
36) 1,1-Dichloropropene	8.08	75	212029	50.044	ug/l	98
37) Ethyl Acetate	7.25	43	29466	15.719	ug/l #	81
38) Carbon Tetrachloride	8.06	117	233889	54.858	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	171982	30.899	ug/l	98
40) Benzene	8.32	78	656012	55.799	ug/l	99
41) Methacrylonitrile	7.48	41	66701	60.095	ug/l	97
42) 1,2-Dichloroethane	8.40	62	208927	61.322	ug/l	98
43) Isopropyl Acetate	8.42	43	117062	30.059	ug/l #	85
44) Trichloroethene	9.09	130	169381	52.980	ug/l	100
45) 1,2-Dichloropropane	9.37	63	171516	58.510	ug/l	97
46) Dibromomethane	9.46	93	95782	63.527	ug/l	98
47) Bromodichloromethane	9.64	83	235787	59.124	ug/l	98
48) Methyl methacrylate	9.43	41	163340	85.779	ug/l	98
49) 1,4-Dioxane	9.46	88	30240	1186.565	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	627031	325.912	ug/l	99
52) Toluene	10.39	92	390161	50.273	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	227084	53.513	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	256503	53.264	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	132518	63.366	ug/l	99
56) Ethyl methacrylate	10.65	69	61498	20.986	ug/l	93
57) 1,3-Dichloropropane	10.93	76	227903	60.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	445483	312.886	ug/l	96
59) 2-Hexanone	10.97	43	421025	309.984	ug/l	99
60) Dibromochloromethane	11.13	129	160437	59.697	ug/l	98
61) 1,2-Dibromoethane	11.24	107	125715	60.626	ug/l	100
64) Tetrachloroethene	10.86	164	129221	53.259	ug/l	98
65) Chlorobenzene	11.66	112	392794	53.695	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	165012	63.048	ug/l	99
67) Ethyl Benzene	11.73	91	679913	50.564	ug/l	99
68) m/p-Xylenes	11.84	106	517794	99.247	ug/l	97
69) o-Xylene	12.16	106	255782	51.599	ug/l	97
70) Styrene	12.18	104	395071	48.249	ug/l	98
71) Bromoform	12.35	173	96055	65.229	ug/l #	100
73) Isopropylbenzene	12.46	105	604149	60.179	ug/l	99
74) N-amyl acetate	12.27	43	7551	2.920	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	147504	92.805	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	106937m	91.339	ug/l	
77) Bromobenzene	12.75	156	150136	68.478	ug/l	100
78) n-propylbenzene	12.80	91	635318	52.690	ug/l	98
79) 2-Chlorotoluene	12.90	91	389961	57.313	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	467998	55.773	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	47437	80.026	ug/l	97
82) 4-Chlorotoluene	12.99	91	390449	53.898	ug/l	97
83) tert-Butylbenzene	13.21	119	389508	52.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	477343	55.968	ug/l	100
85) sec-Butylbenzene	13.38	105	463029	43.420	ug/l	100
86) p-Isopropyltoluene	13.50	119	421363	45.109	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	228477	51.600	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	229886	52.242	ug/l	99
89) n-Butylbenzene	13.83	91	305419	33.300	ug/l	99
90) Hexachloroethane	14.10	117	80766	44.213	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	214524	54.755	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25209	83.592	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89662	32.070	ug/l	98
94) Hexachlorobutadiene	15.24	225	31648	18.783	ug/l	97
95) Naphthalene	15.37	128	256756	52.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	75428	31.804	ug/l	98

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

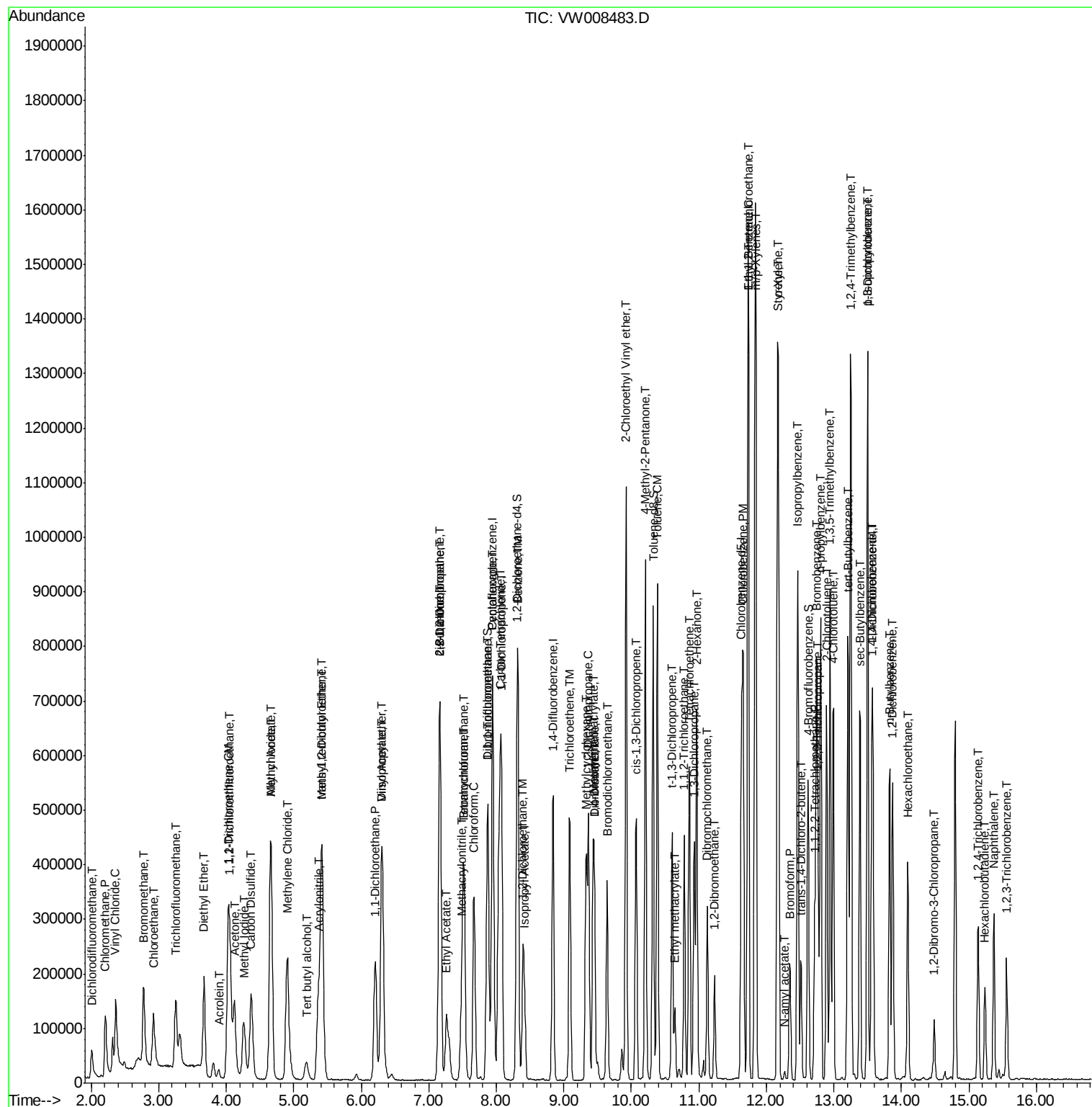
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020119\
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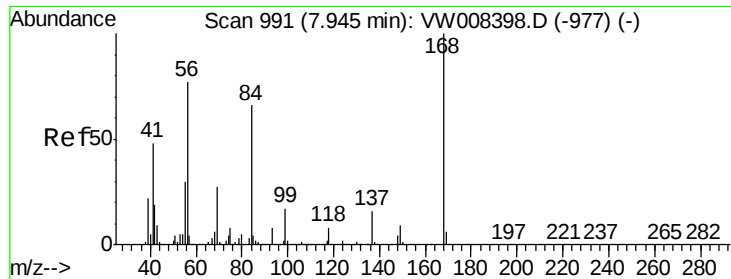
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MSVOA_W
ClientSampleId :
A0C17-SS1MSD

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion:168 Resp: 297813

Ion Ratio Lower Upper

168 100

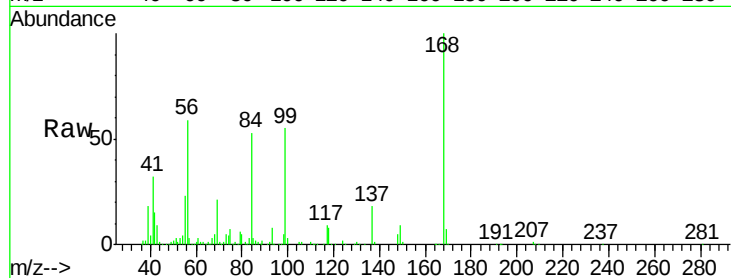
99 54.9 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

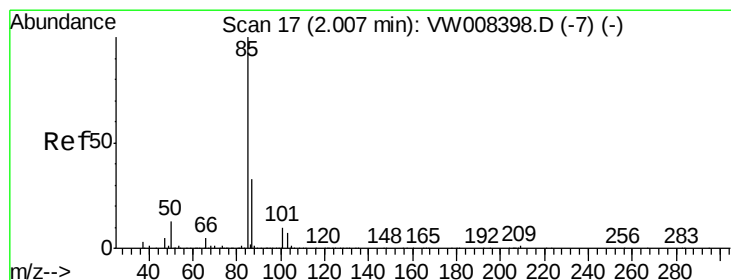
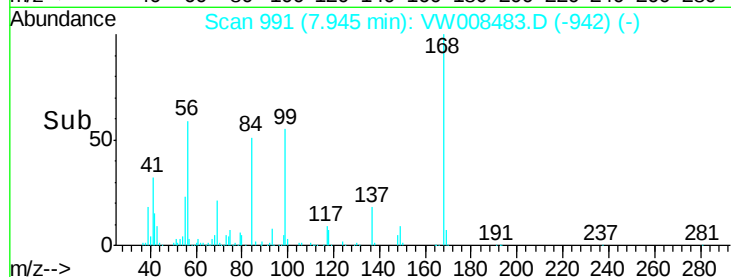
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.461 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008483.D

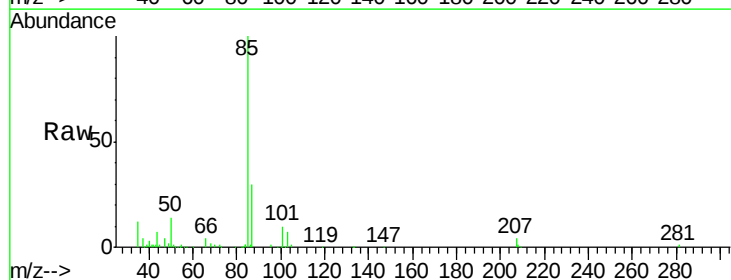
Acq: 01 Feb 2019 15:56

Tgt Ion: 85 Resp: 79537

Ion Ratio Lower Upper

85 100

87 30.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

15000

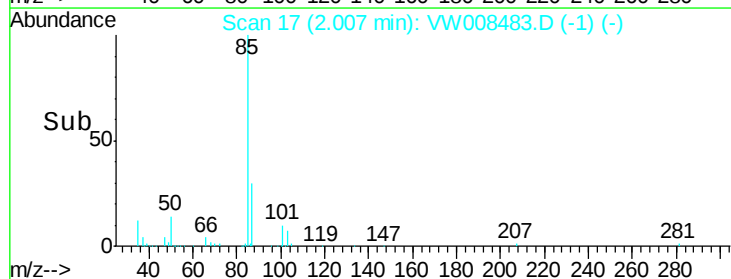
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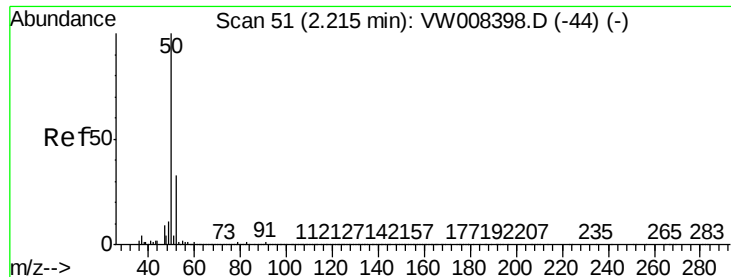
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 50.710 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 50 Resp: 123274

Ion Ratio Lower Upper

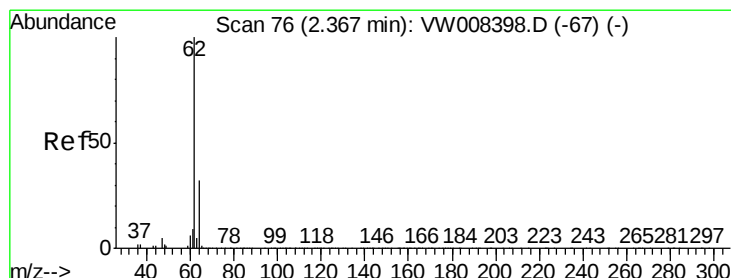
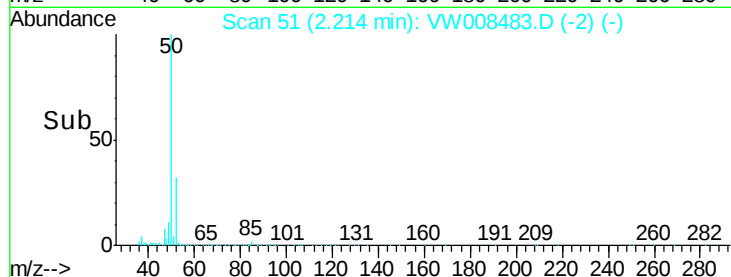
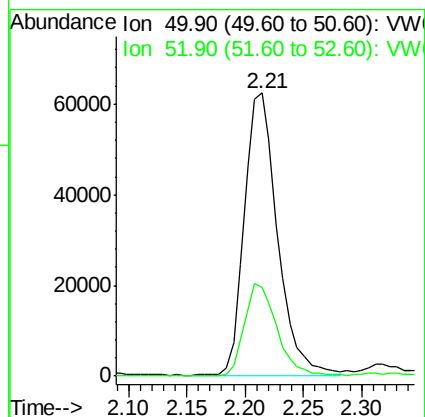
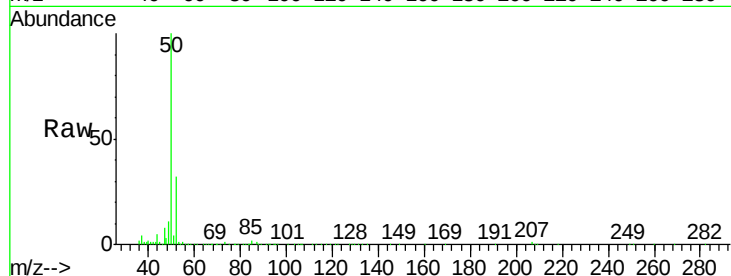
50 100

52 31.7 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 51.841 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008483.D

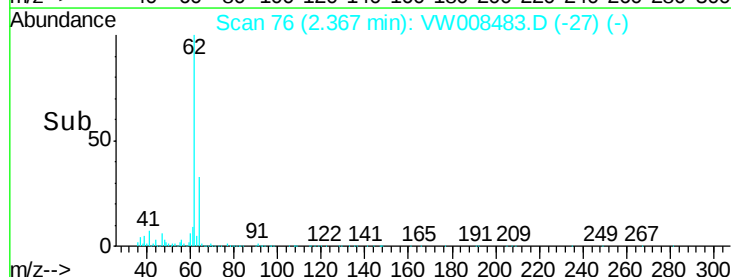
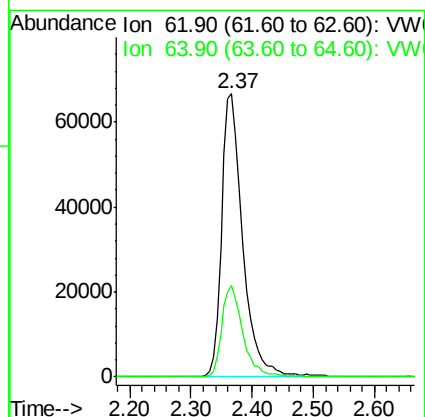
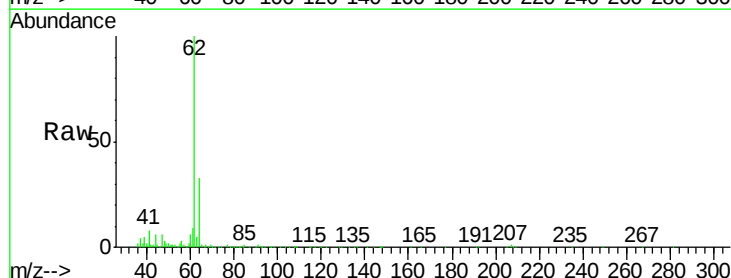
Acq: 01 Feb 2019 15:56

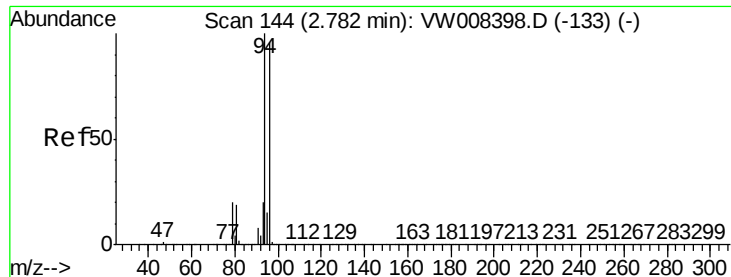
Tgt Ion: 62 Resp: 160425

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 58.418 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 116602

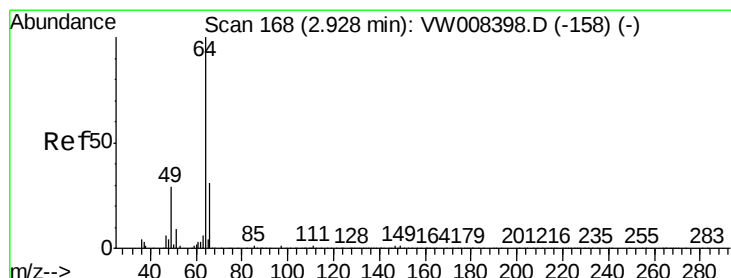
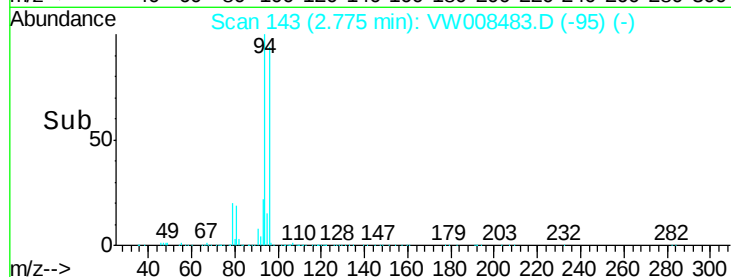
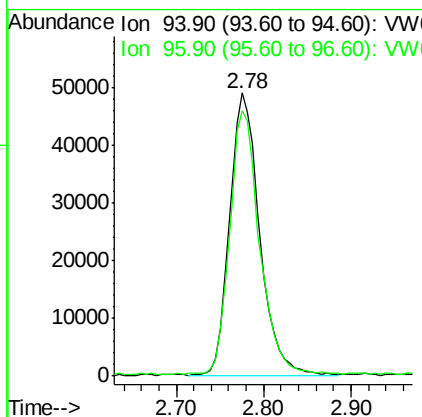
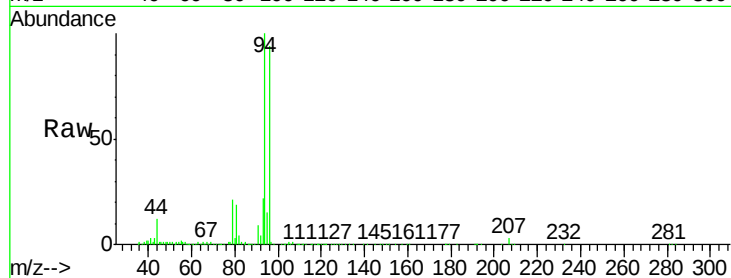
Ion Ratio Lower Upper

94 100

96 93.0 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 63.002 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008483.D

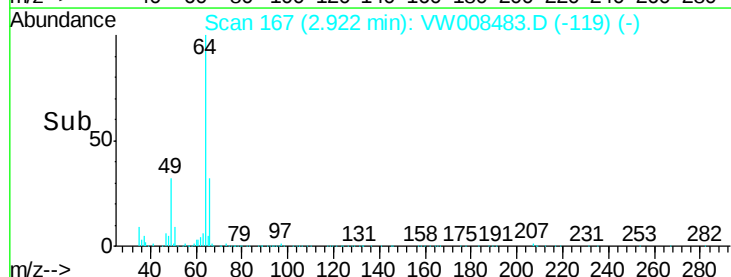
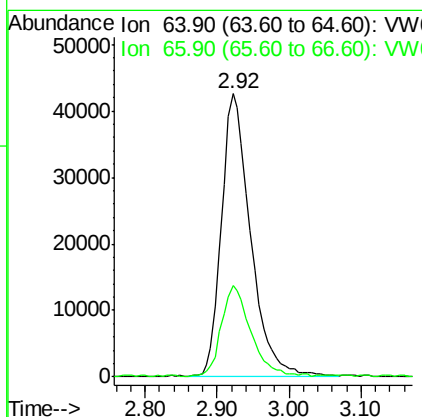
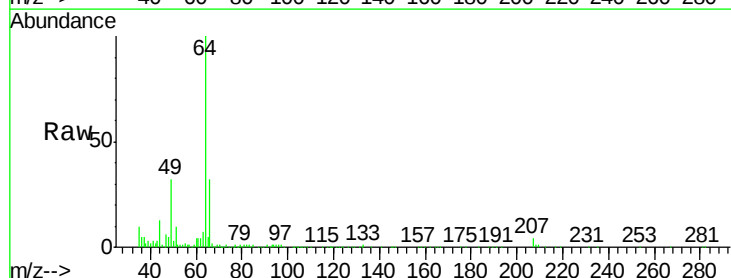
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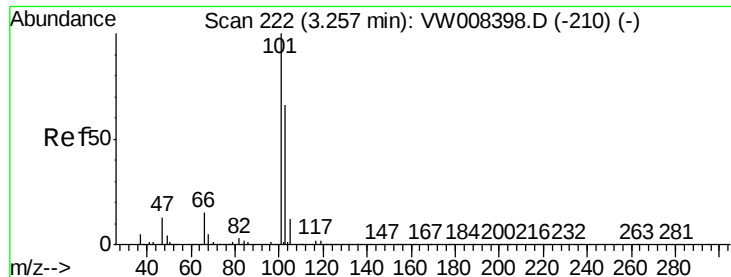
Tgt Ion: 64 Resp: 119235

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3





#7

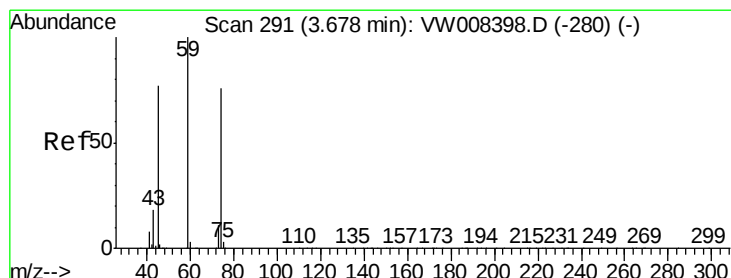
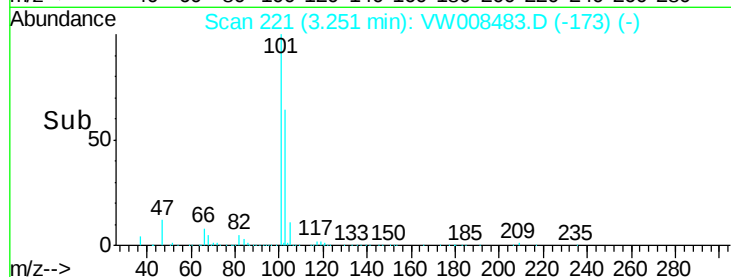
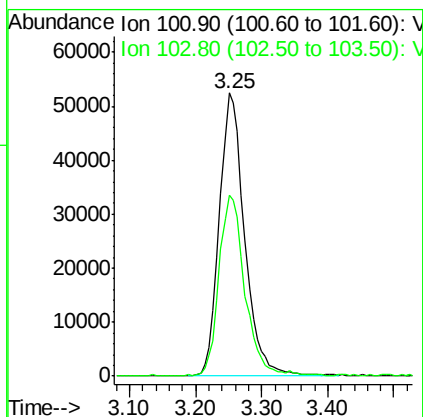
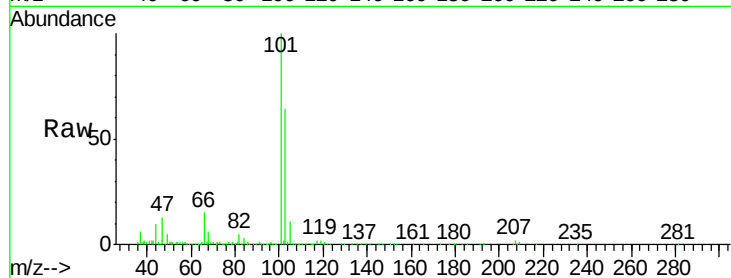
Trichlorofluoromethane
Concen: 51.651 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008483.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.5	78.7

Manual Integrations
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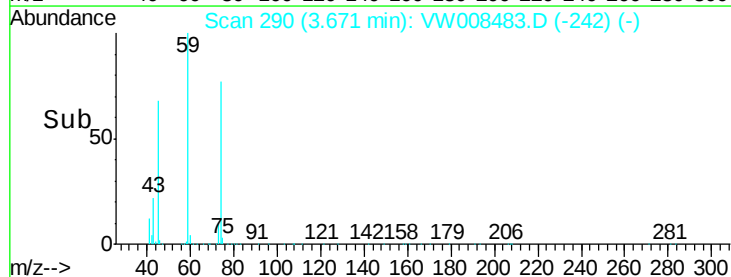
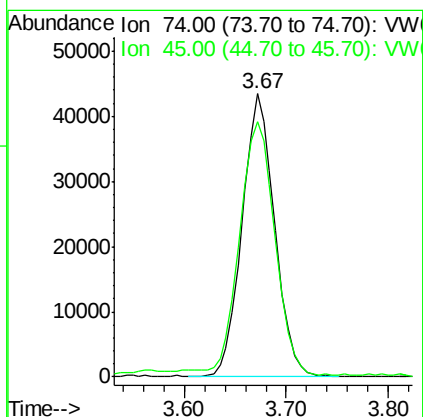
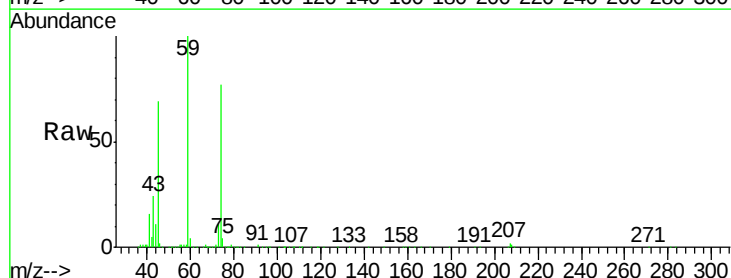
MMDadoda
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#8

Diethyl Ether
Concen: 64.875 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.445 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

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MSVOA_W

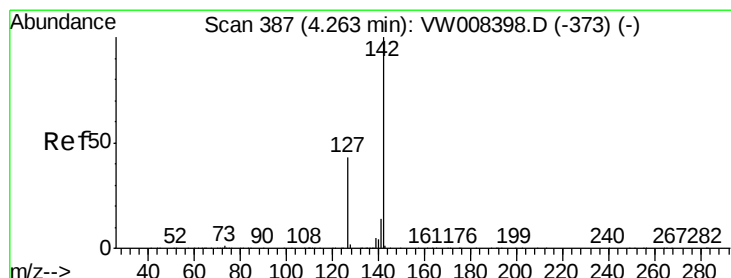
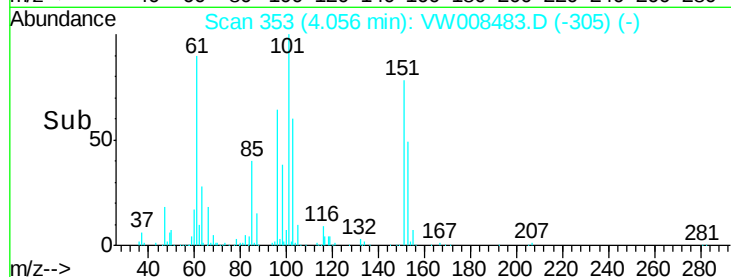
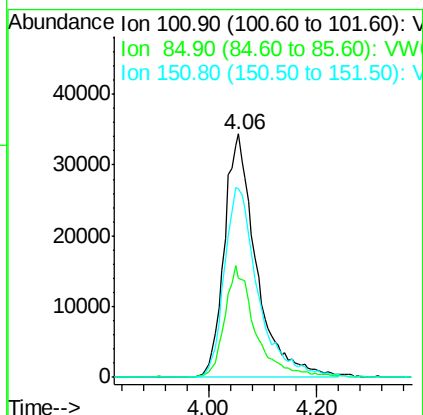
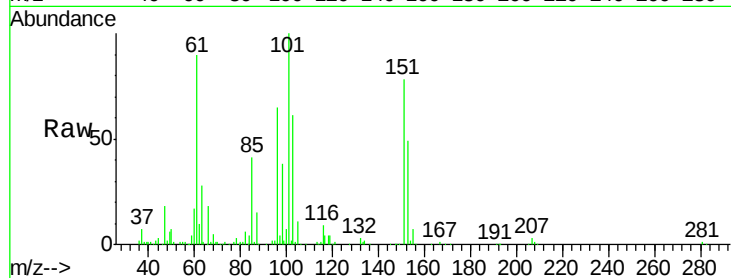
ClientSampleId :

A0C17-SS1MSD

Tot Ion:	101	Resp:	141266
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.0	52.4
151	82.0	62.6	94.0

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2/4/2019 4:32:40 PM



#10

Methyl Iodide

Concen: 50.610 ug/l

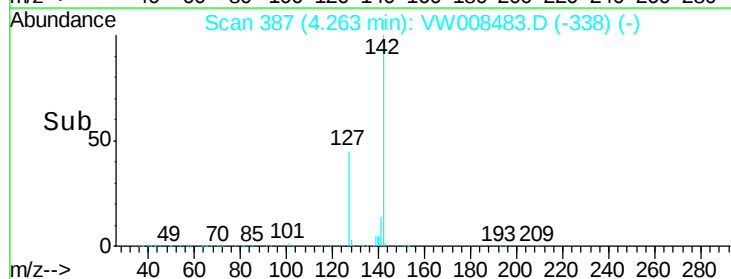
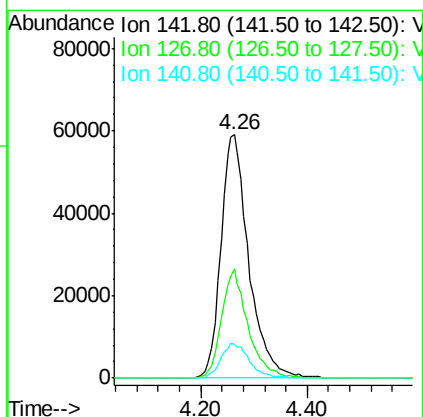
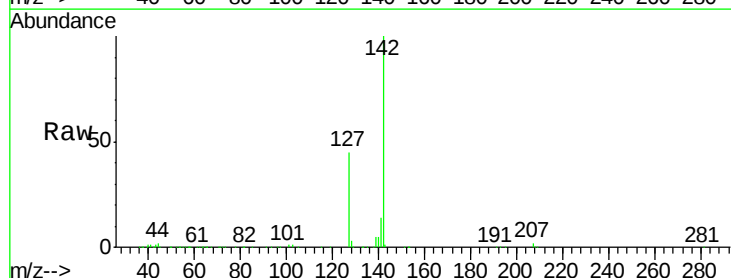
RT: 4.26 min Scan# 387

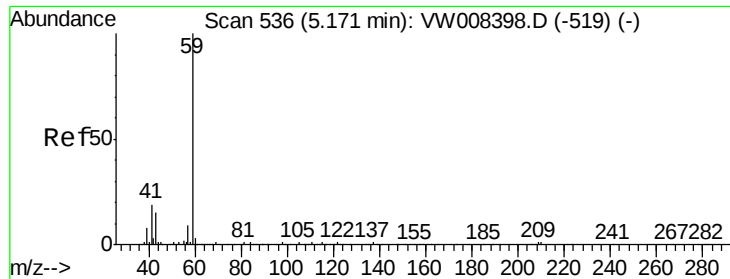
Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Tgt Ion:	142	Resp:	215323
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.6	52.0
141	14.6	11.4	17.2





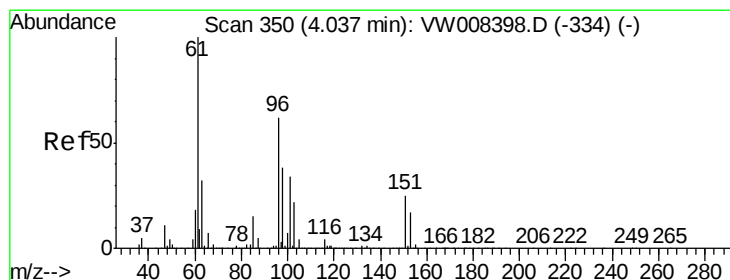
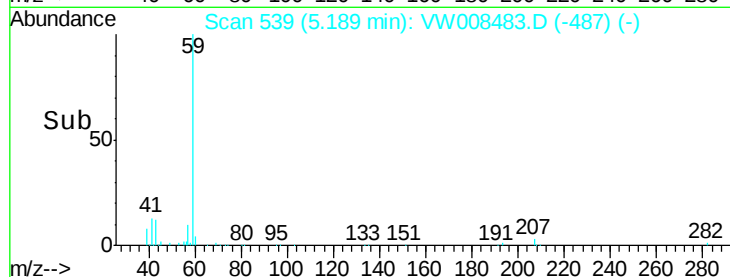
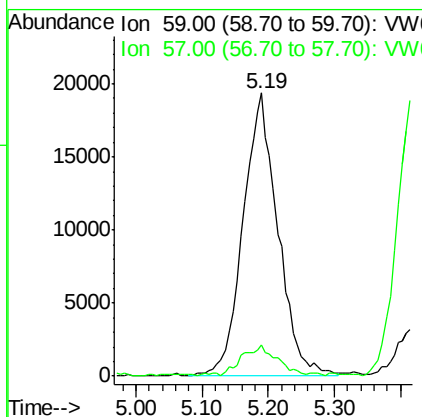
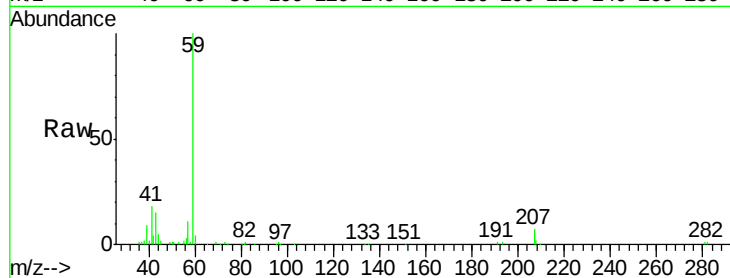
#11
Tert butyl alcohol
Concen: 296.852 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	69925		
57	57	10.4		9.3	13.9

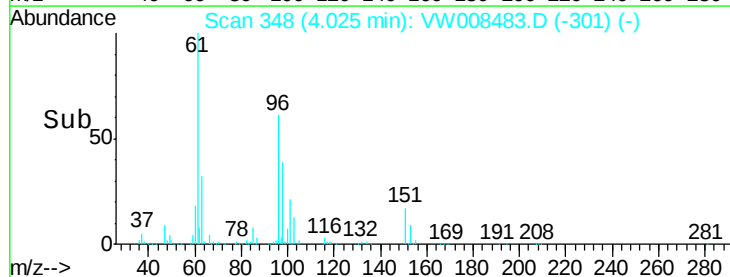
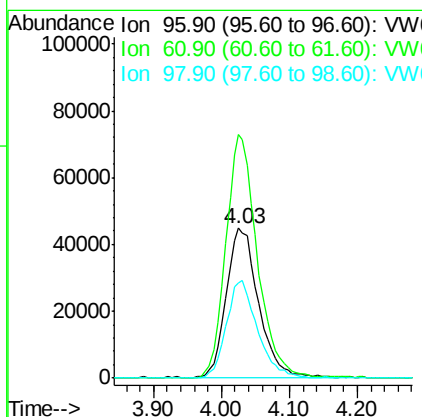
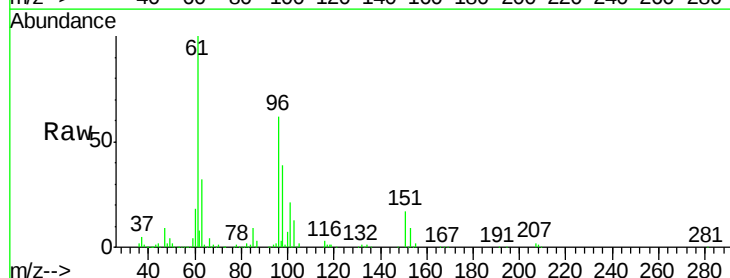
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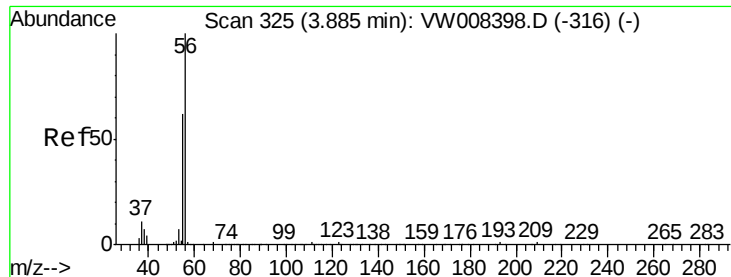
MMDadoda
2/4/2019 4:32:40 PM



#12
1,1-Dichloroethene
Concen: 54.087 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	147438		
61	61	162.8		129.5	194.3
98	98	63.3		48.6	73.0





#13

Acrolein

Concen: 87.203 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 56 Resp: 17547

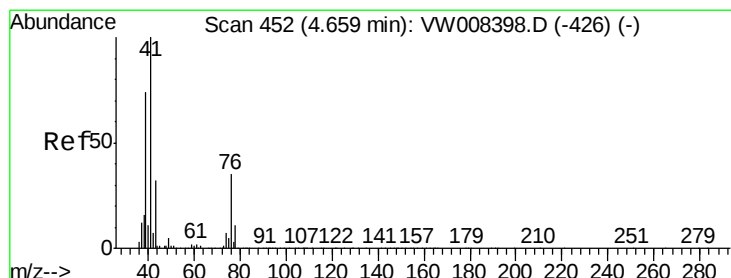
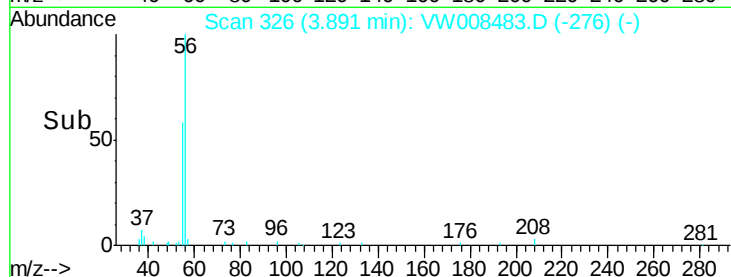
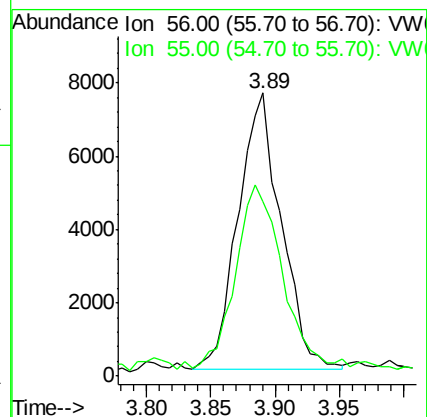
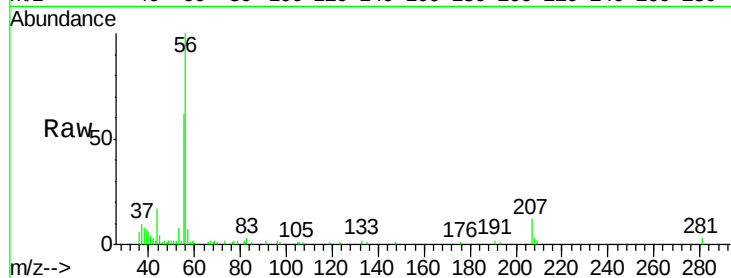
Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1

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#14

Allyl chloride

Concen: 50.860 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

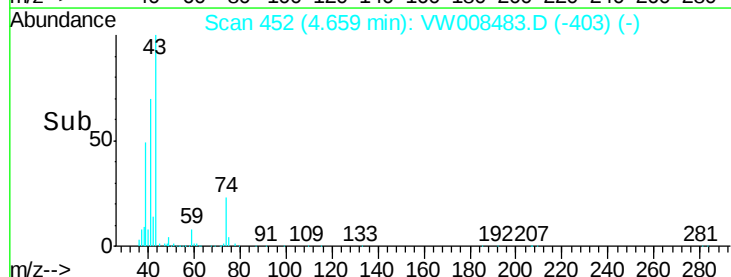
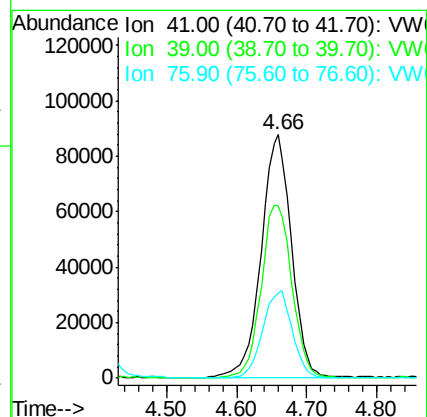
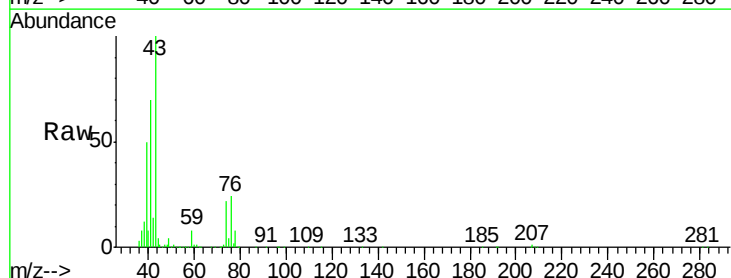
Tgt Ion: 41 Resp: 263267

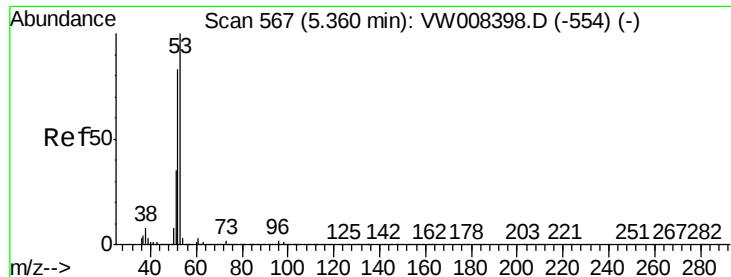
Ion Ratio Lower Upper

41 100

39 71.6 57.7 86.5

76 34.8 26.9 40.3





#15

Acrylonitrile

Concen: 298.901 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

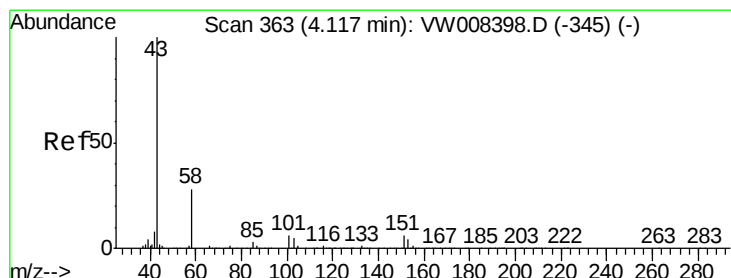
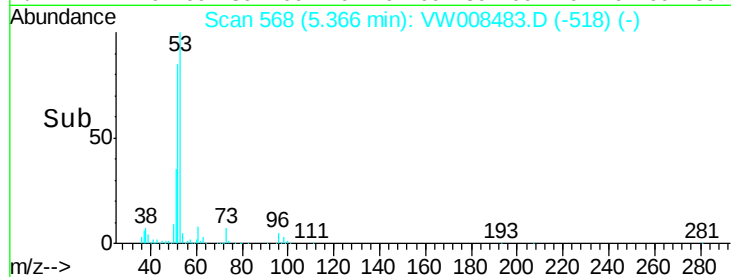
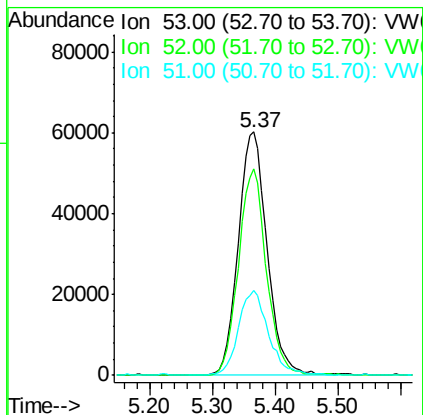
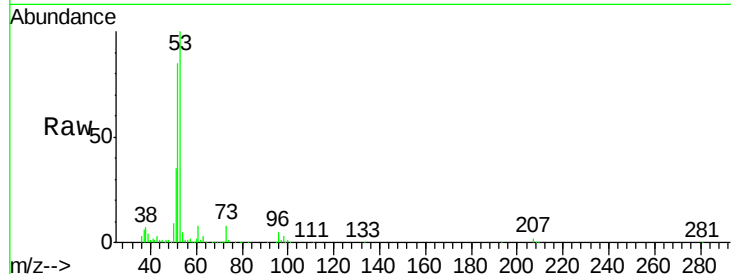
ClientSampleId :

A0C17-SS1MSD

Tot Ion:	53	Resp:	191690
Ion Ratio		Lower	Upper
53	100		
52	82.0	67.0	100.4
51	36.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 304.455 ug/l

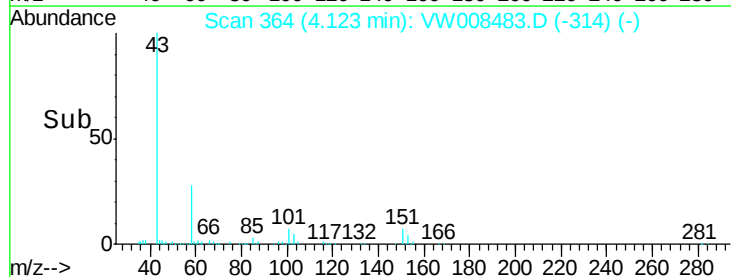
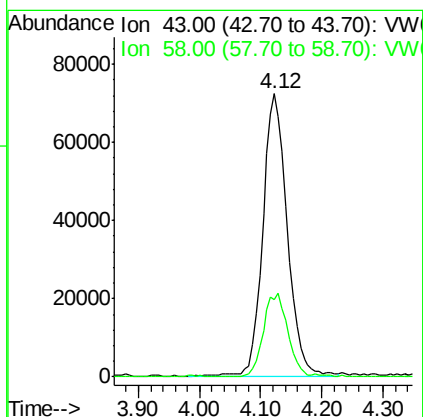
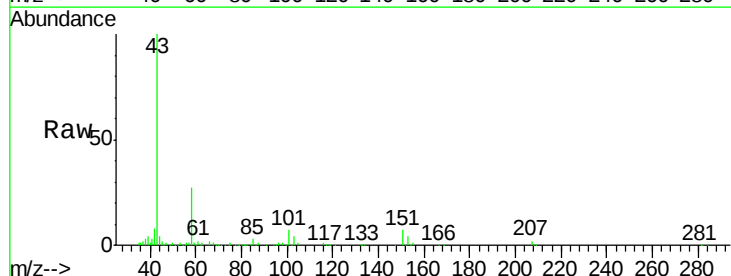
RT: 4.12 min Scan# 364

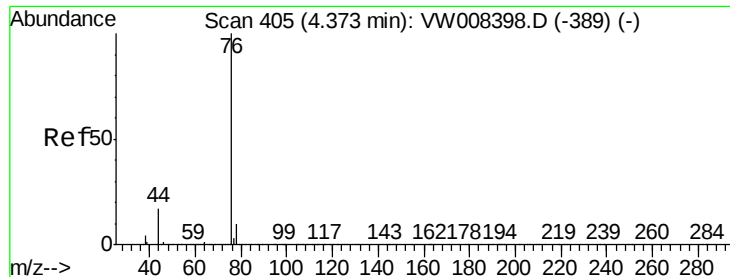
Delta R.T. 0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Tgt Ion:	43	Resp:	200032
Ion Ratio		Lower	Upper
43	100		
58	26.9	22.6	34.0





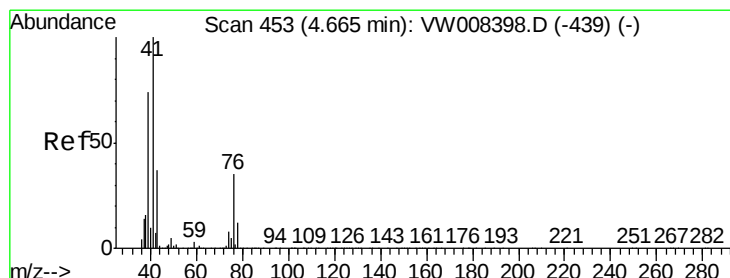
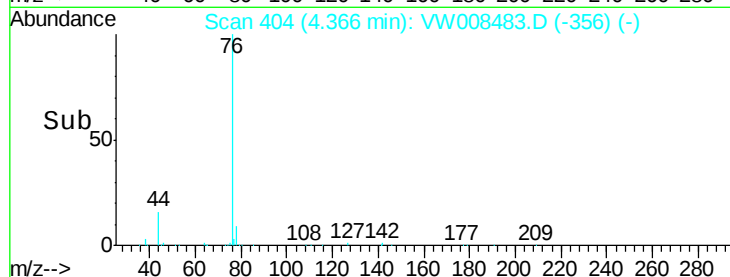
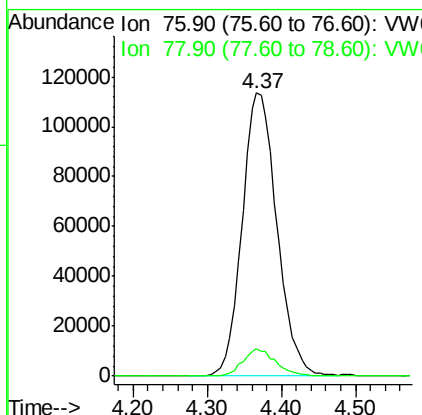
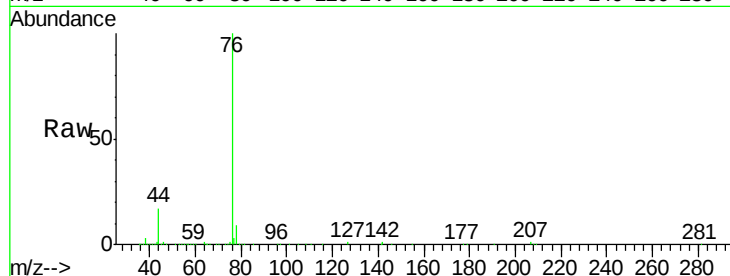
#17
Carbon Disulfide
Concen: 42.645 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.7	11.5

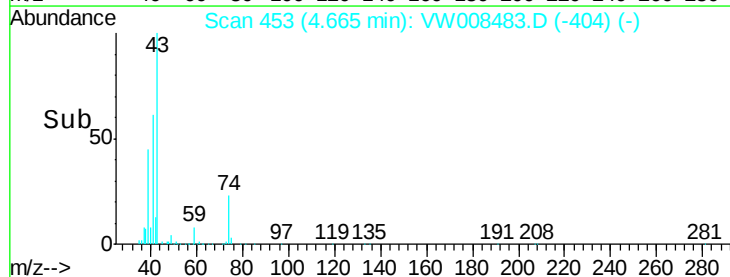
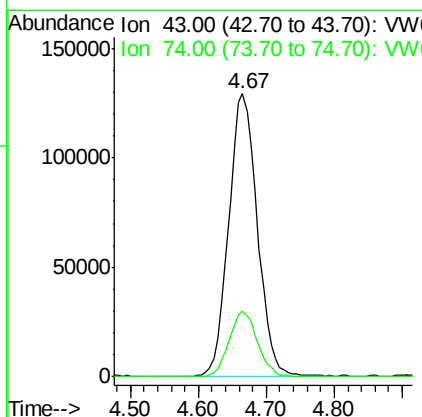
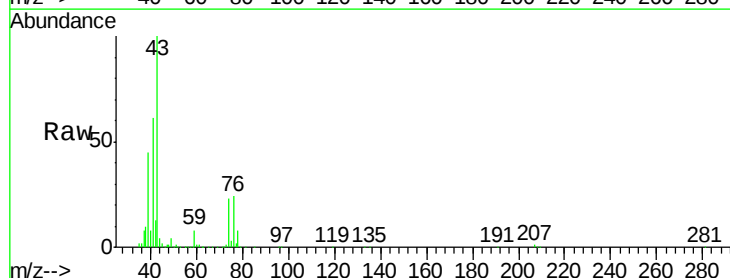
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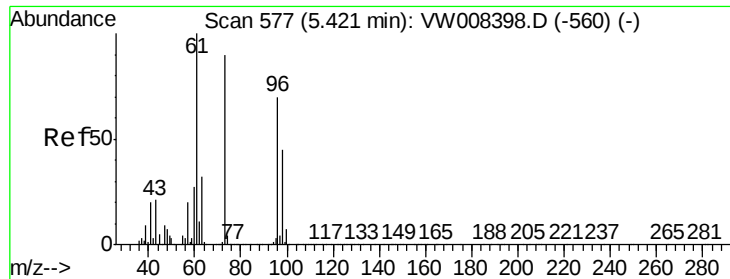
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#18
Methyl Acetate
Concen: 214.545 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.5	26.3





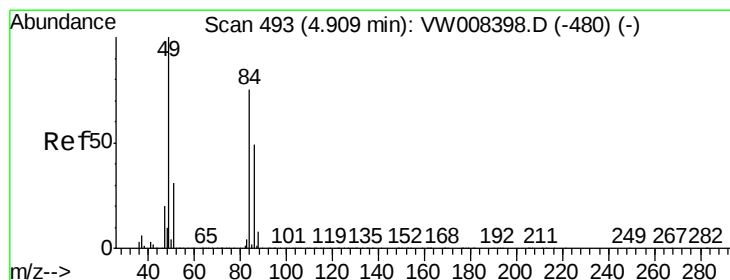
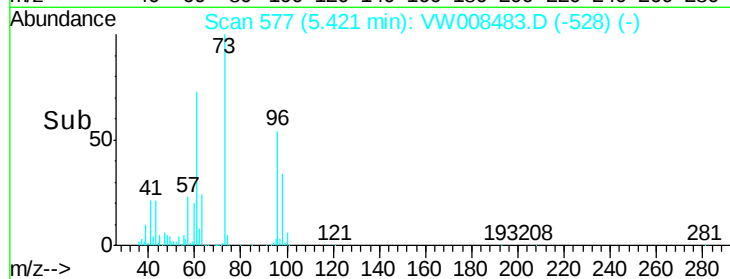
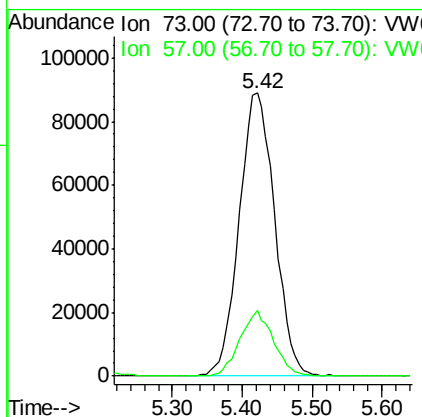
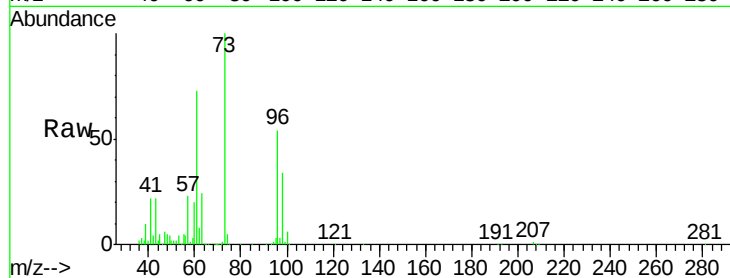
#19
Methvl tert-butvl Ether
Concen: 69.433 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion: 73 Resp: 313156
Ion Ratio Lower Upper
73 100
57 23.2 18.0 27.0

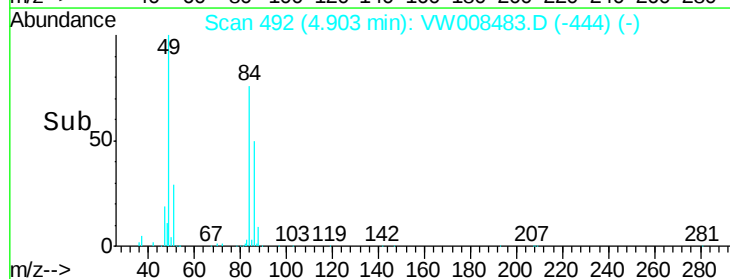
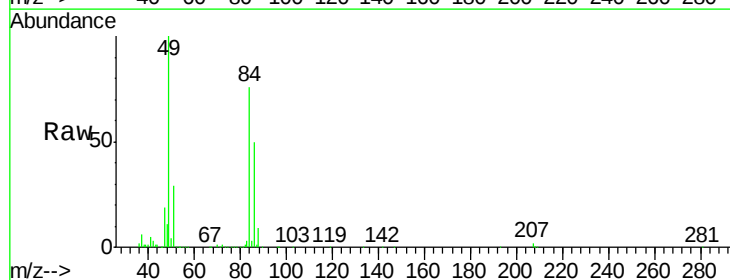
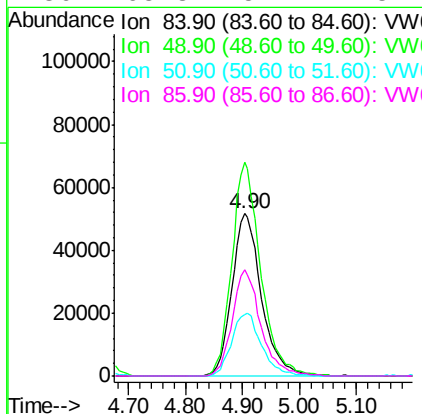
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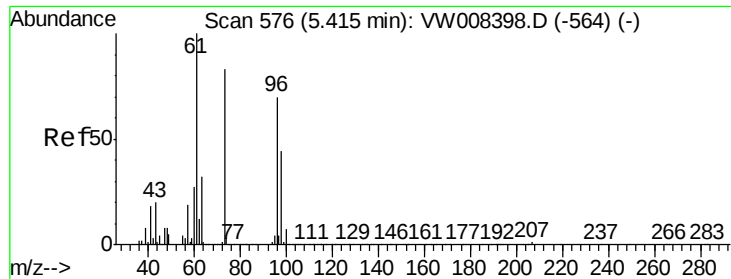
MMDadoda
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#20
Methylene Chloride
Concen: 61.582 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion: 84 Resp: 186486
Ion Ratio Lower Upper
84 100
49 131.8 106.8 160.2
51 37.9 32.9 49.3
86 65.3 52.2 78.2





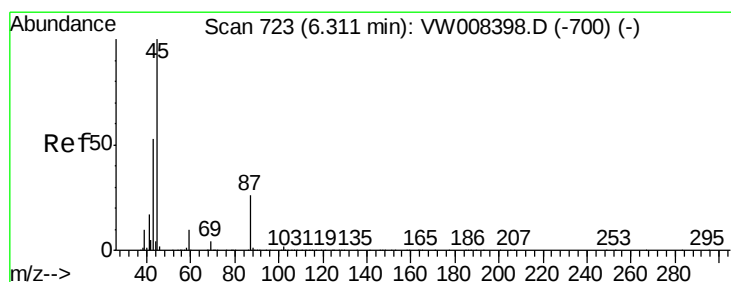
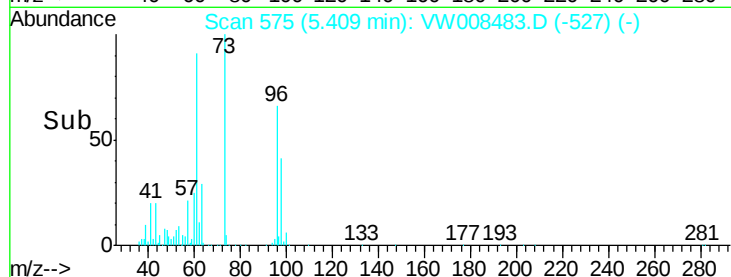
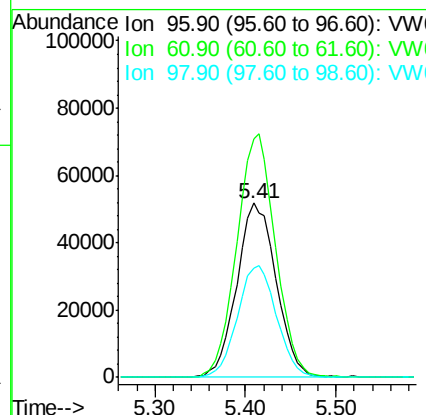
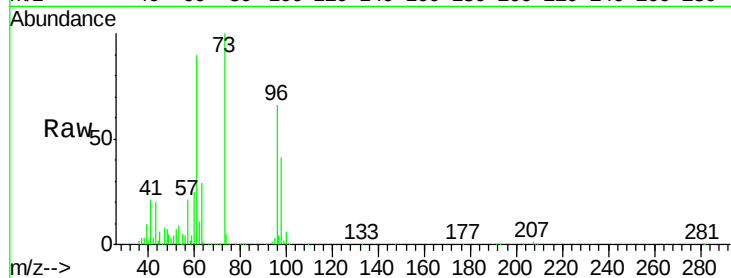
#21
trans-1,2-Dichloroethene
Concen: 50.409 ug/l
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	114.4	171.6
98	62.7	50.6	75.8

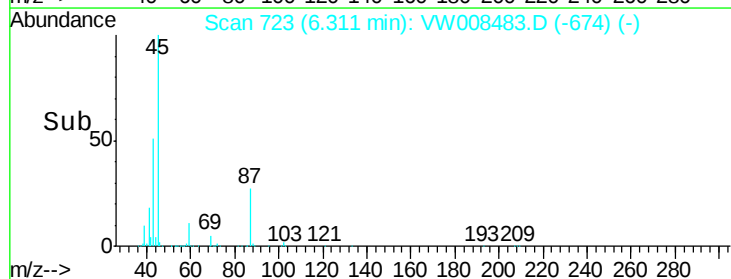
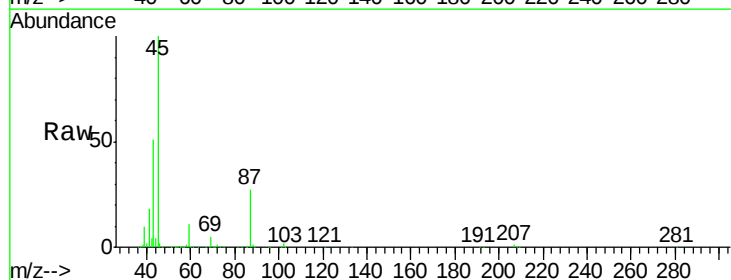
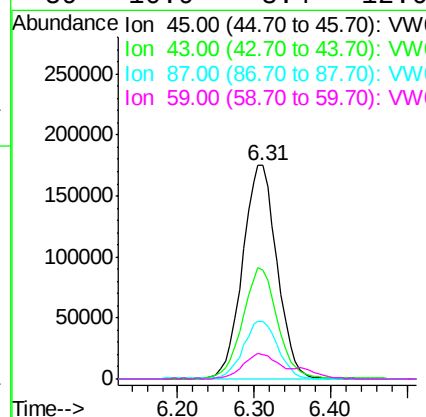
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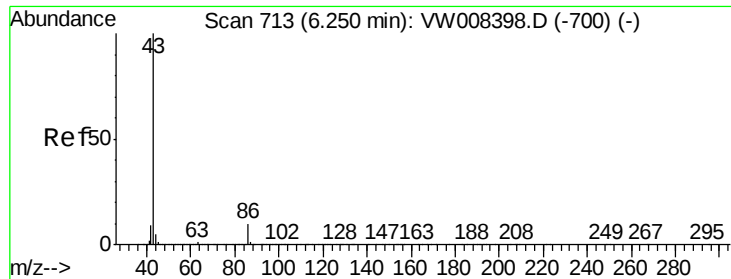
MMDadoda
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#22
Diisopropyl ether
Concen: 55.481 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	50.8	42.6	63.8
87	26.7	20.3	30.5
59	10.9	8.4	12.6





#23

Vinyl Acetate

Concen: 49.449 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.05 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 43 Resp: 286444

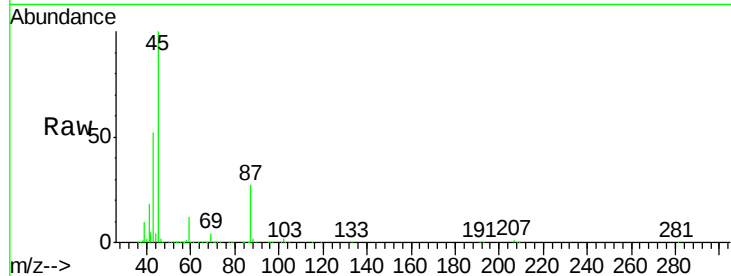
Ion Ratio Lower Upper

43 100

86 0.3 7.8 11.8#

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.31

100000

80000

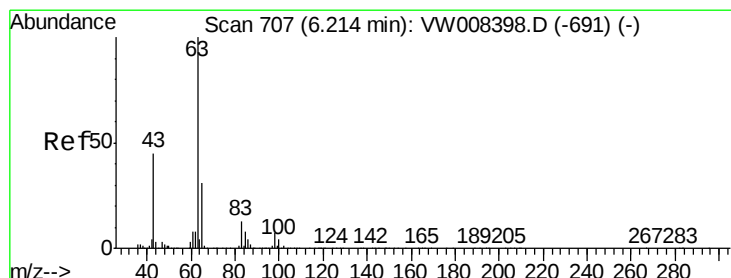
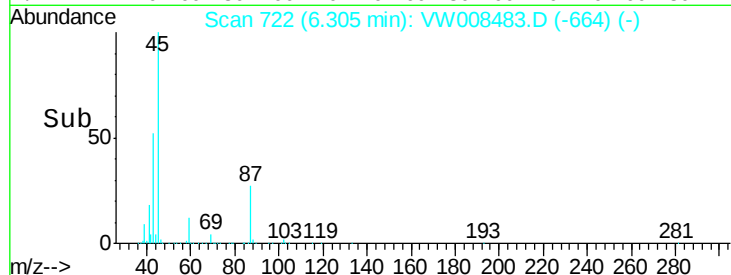
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.504 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

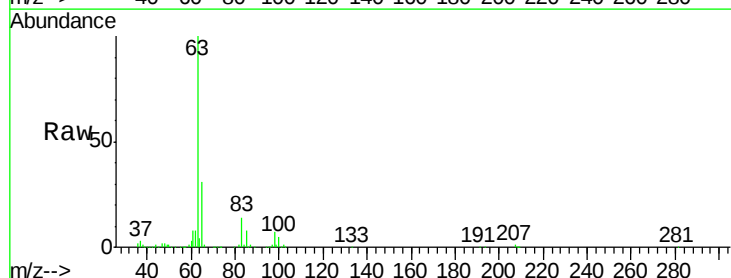
Tgt Ion: 63 Resp: 308215

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.6 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

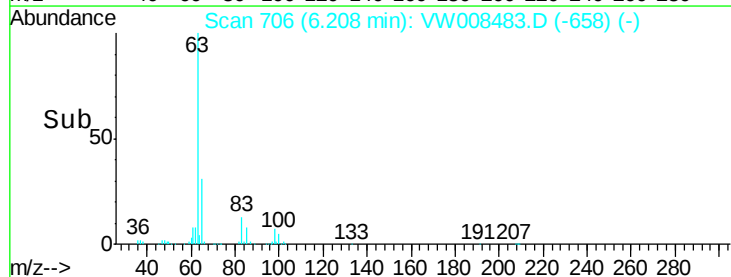
6.21

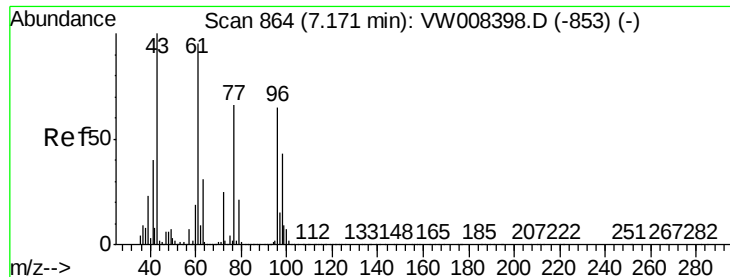
100000

50000

0

Time-->





#25

2-Butanone

Concen: 313.784 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 43 Resp: 286354

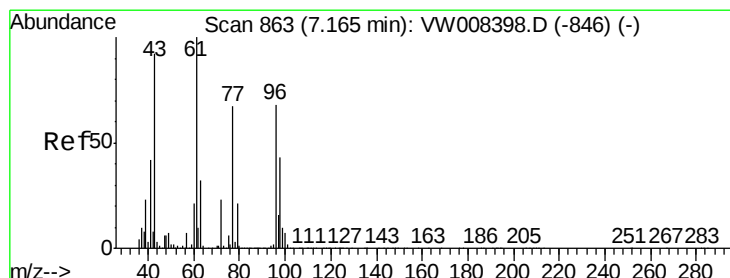
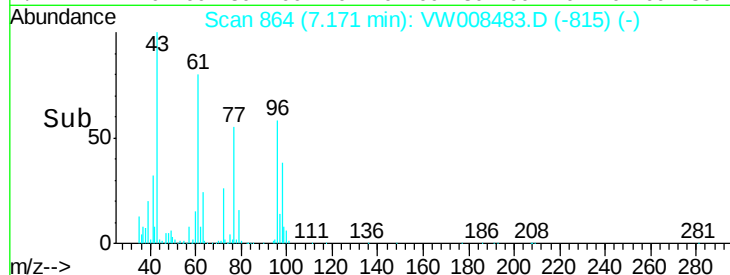
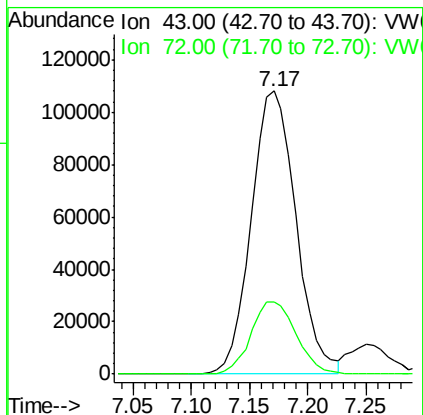
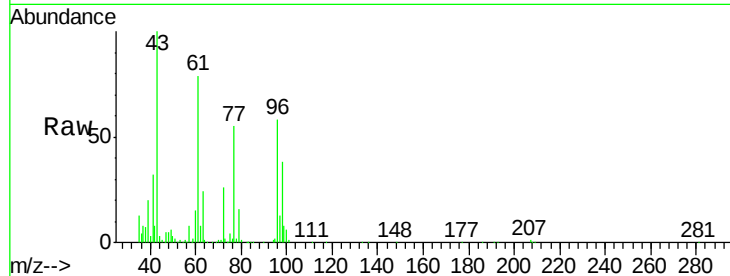
Ion Ratio Lower Upper

43 100

72 25.7 20.1 30.1

Manual Integrations
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2/4/2019 4:32:40 PM



#26

2,2-Dichloropropane

Concen: 51.677 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008483.D

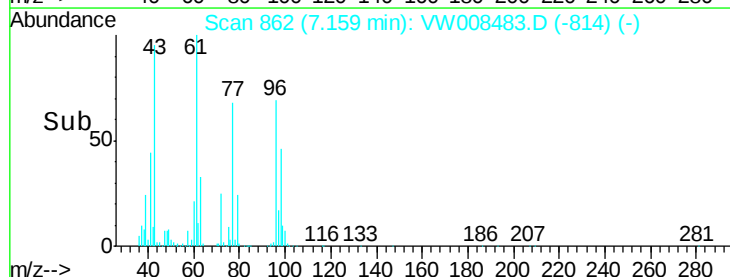
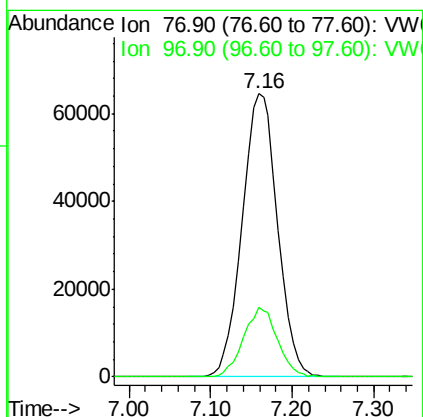
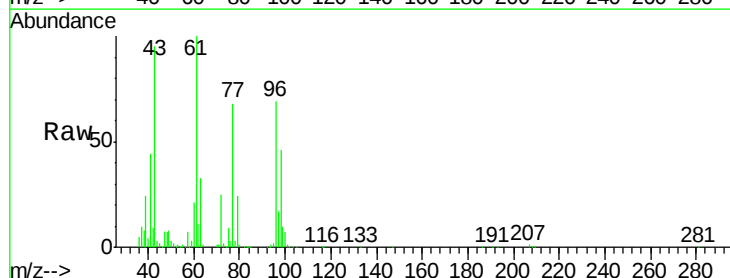
Acq: 01 Feb 2019 15:56

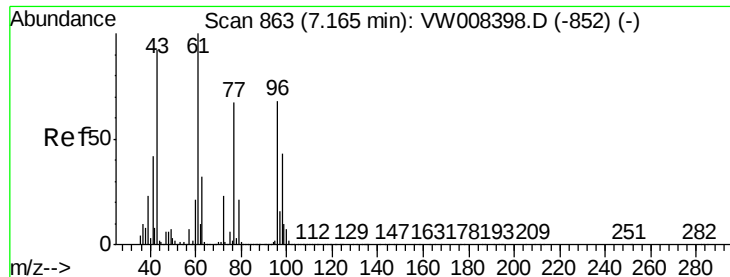
Tgt Ion: 77 Resp: 193972

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 54.762 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

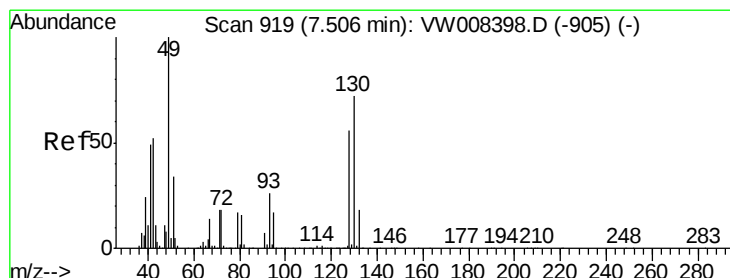
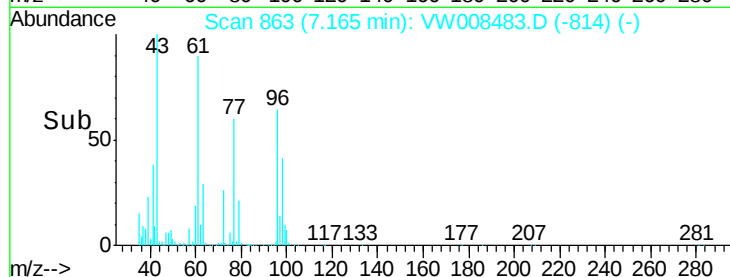
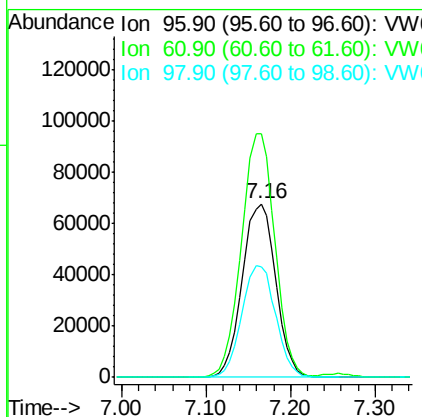
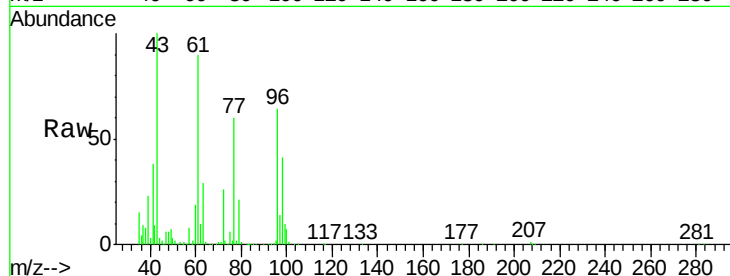
Instrument :
MSVOA_W

ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	292.8
98	64.8	0.0	129.2

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#28

Bromochloromethane

Concen: 51.237 ug/l

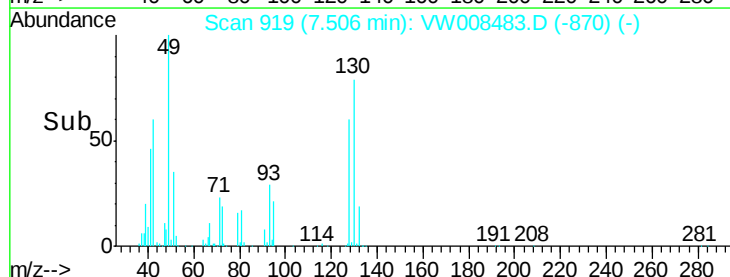
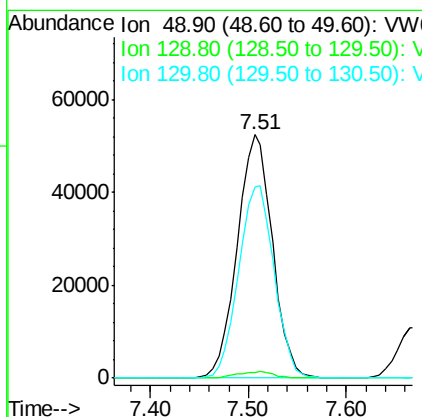
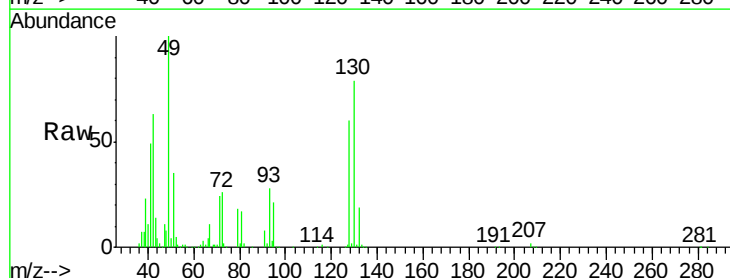
RT: 7.51 min Scan# 919

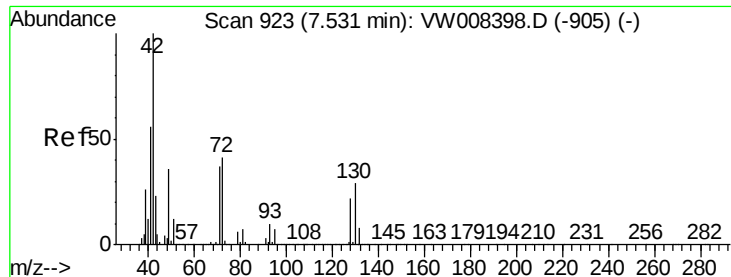
Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.6
130	79.9	58.6	87.8





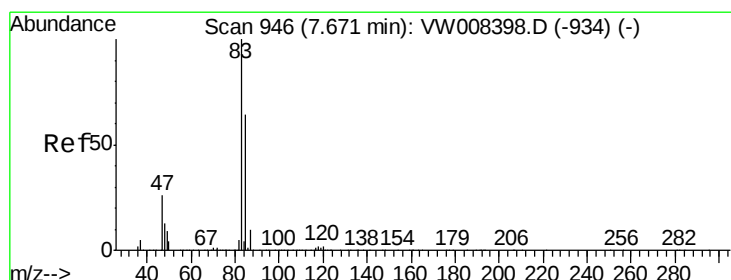
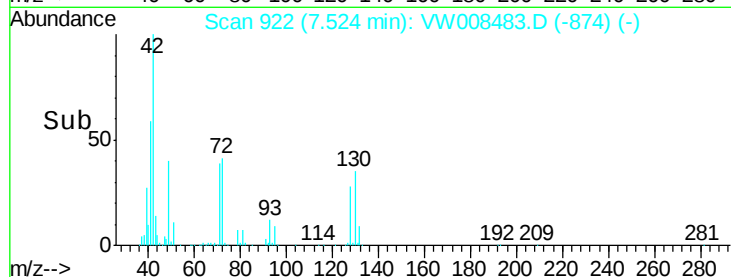
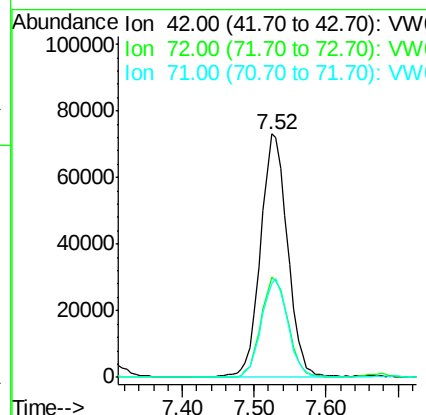
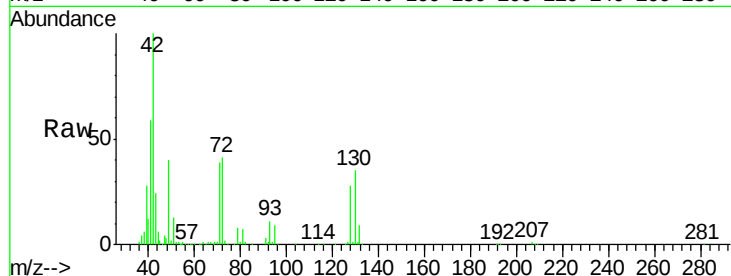
#29
Tetrahydrofuran
Concen: 328.261 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.9	47.9
71	40.0	29.9	44.9

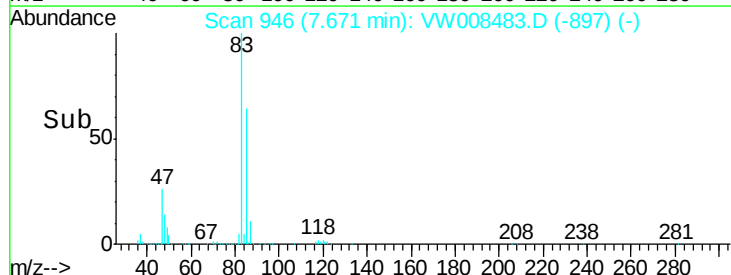
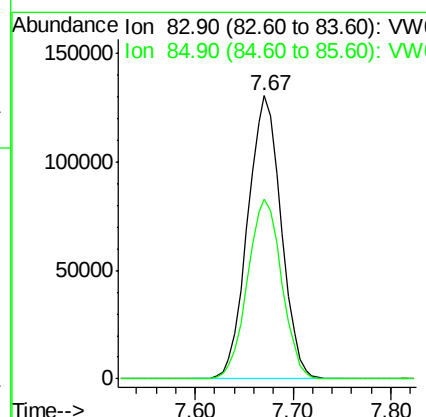
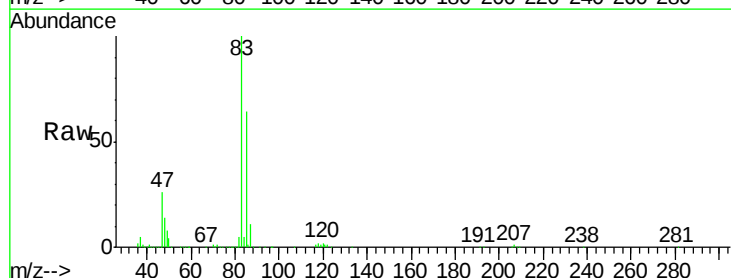
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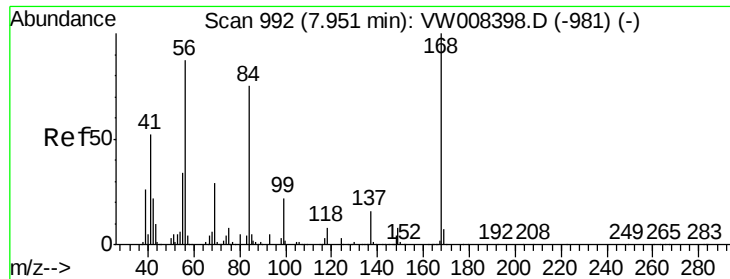
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2/4/2019 4:32:40 PM



#30
Chloroform
Concen: 56.772 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3





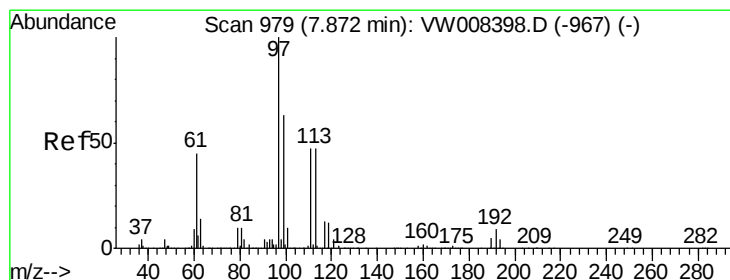
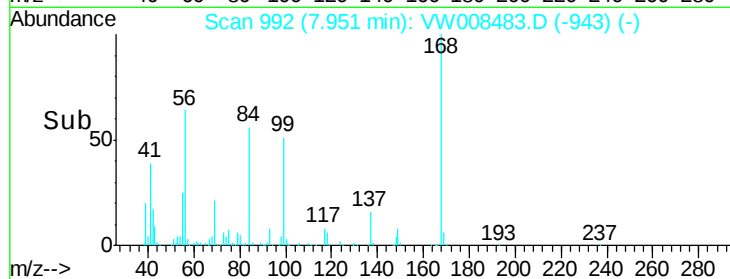
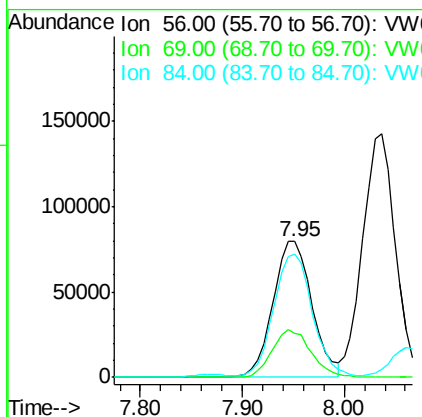
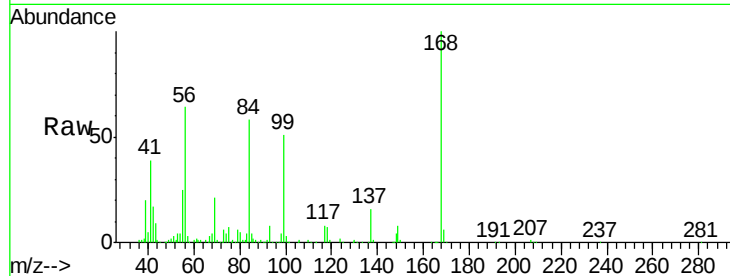
#31
Cyclohexane
Concen: 36.651 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.4	39.6
84	89.7	69.1	103.7

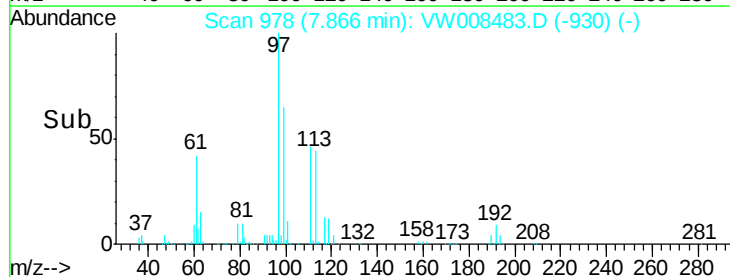
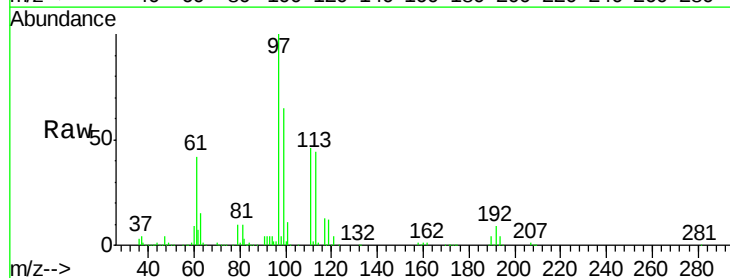
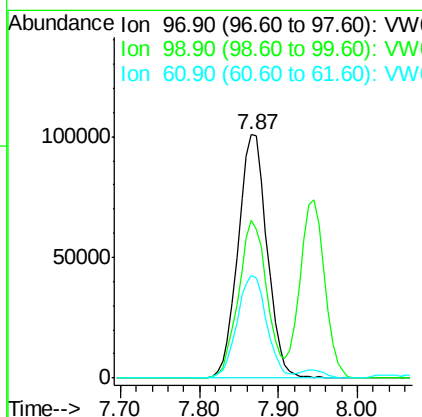
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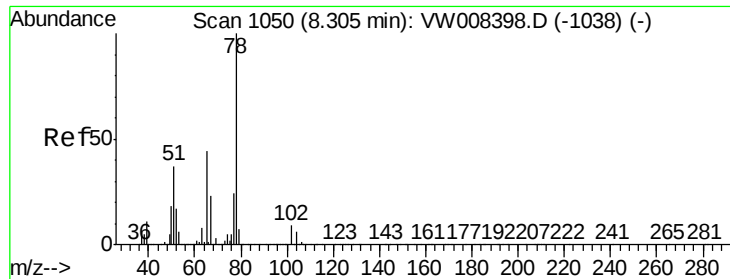
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 54.729 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	43.1	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 59.043 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 65 Resp: 172744

Ion Ratio Lower Upper

65 100

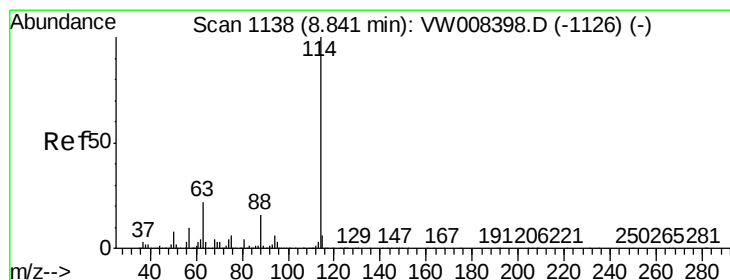
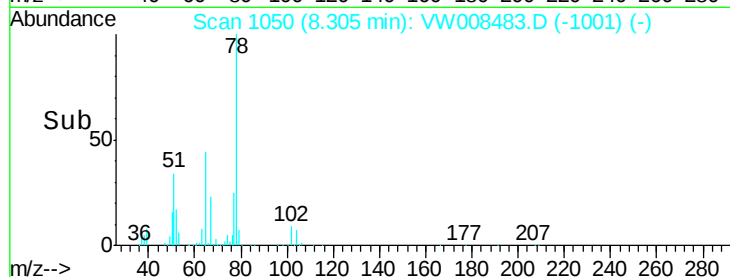
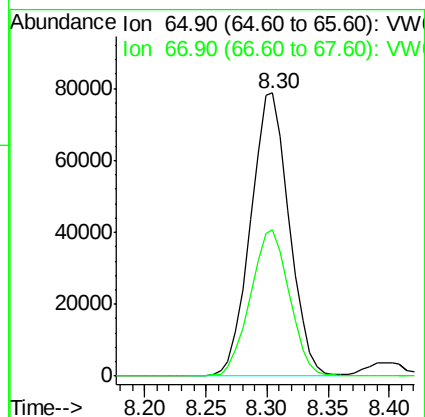
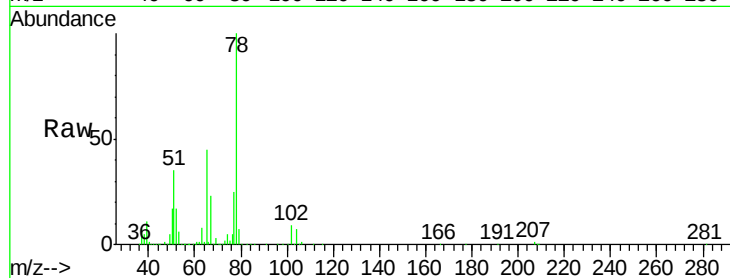
67 52.3 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

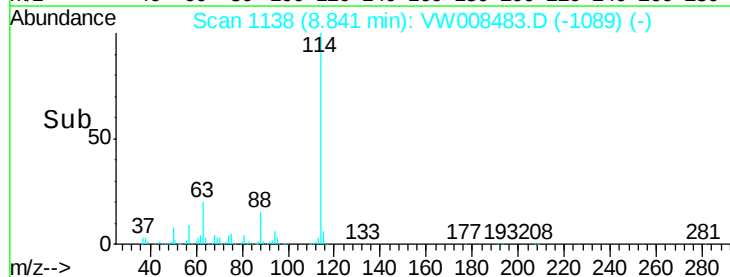
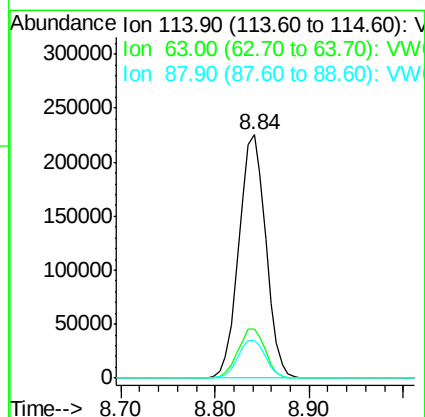
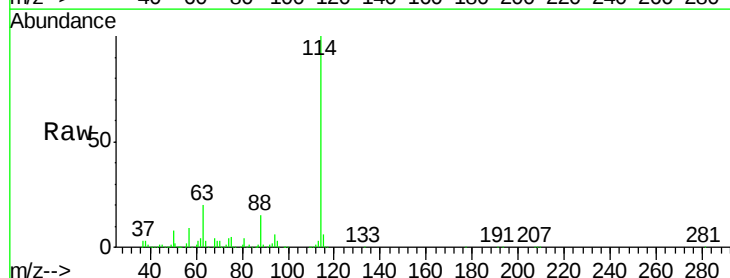
Tgt Ion: 114 Resp: 448530

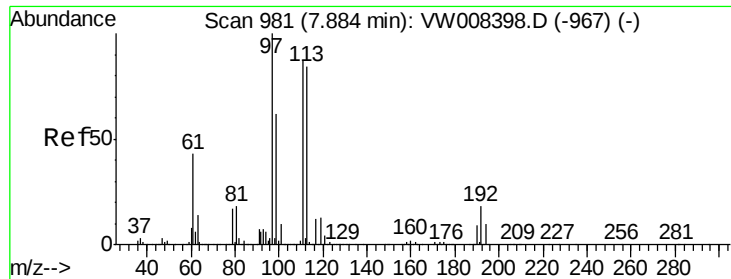
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.6

88 15.4 0.0 31.8





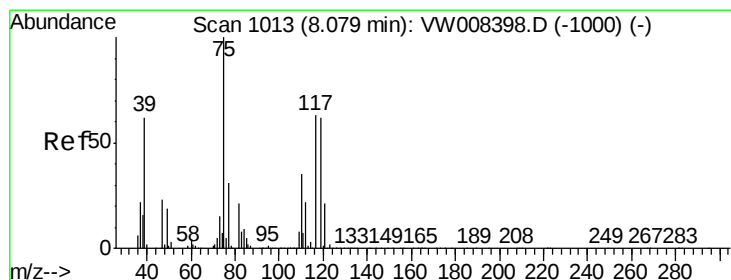
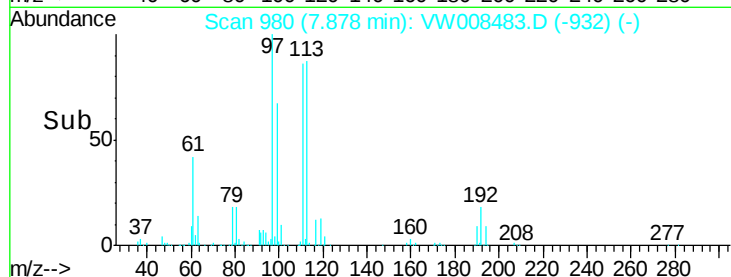
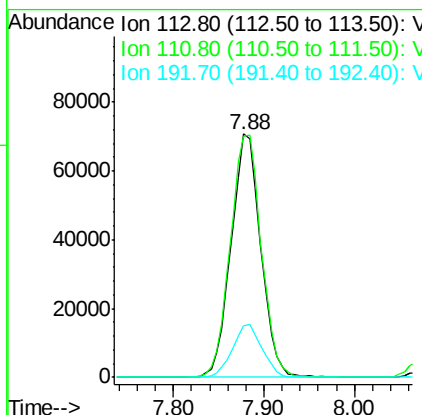
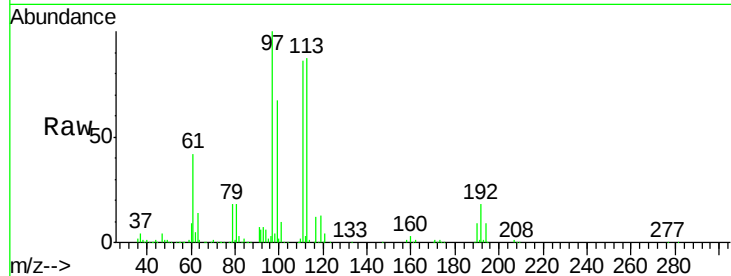
#35
 Dibromofluoromethane
 Concen: 61.315 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160811		
111	104.2	81.0	121.4	
192	21.7	16.8	25.2	

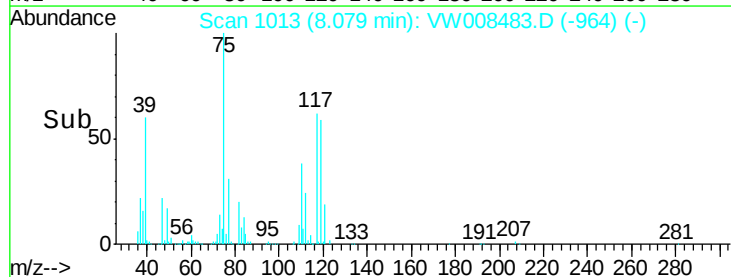
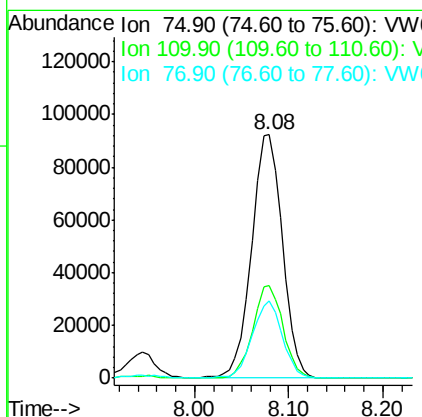
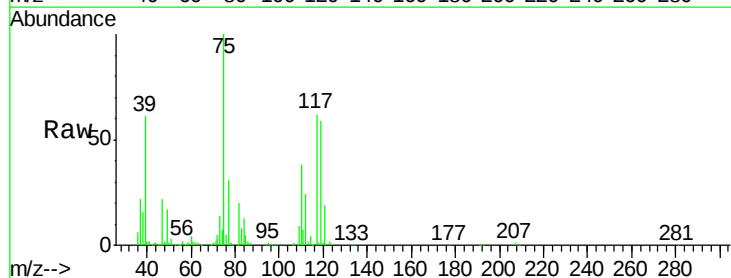
Manual Integrations
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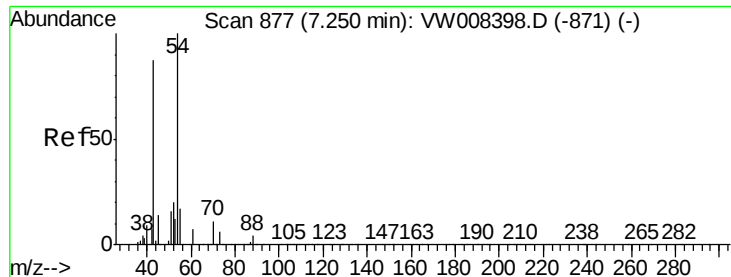
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#36
 1,1-Dichloropropene
 Concen: 50.044 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	212029		
110	36.9	17.3	52.0	
77	30.6	24.7	37.1	





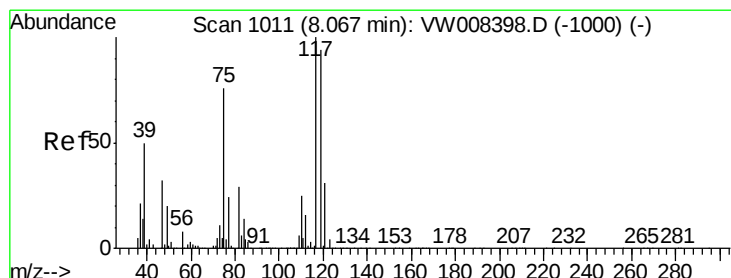
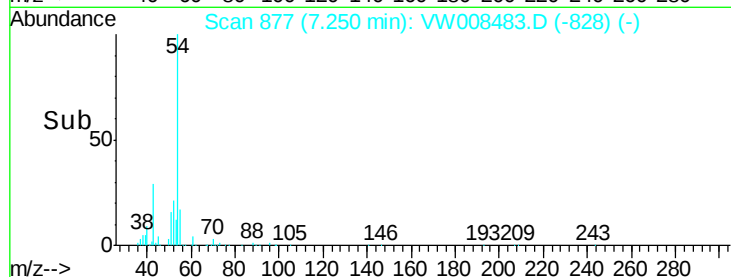
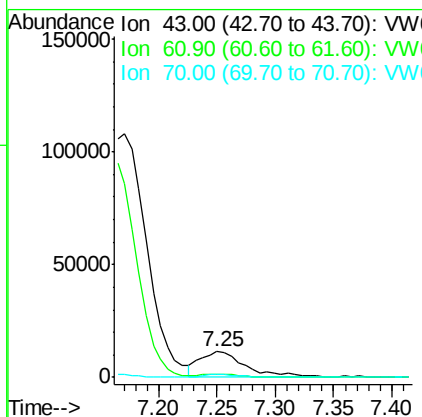
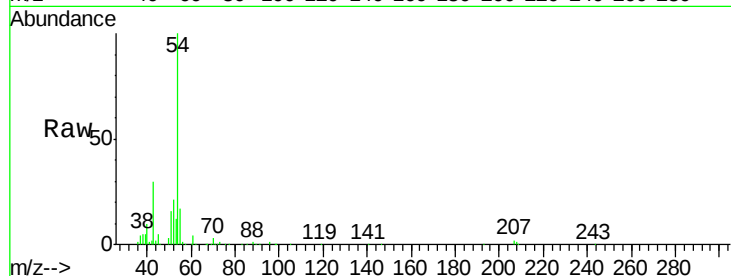
#37
Ethyl Acetate
Concen: 15.719 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	10.8	7.8	11.6

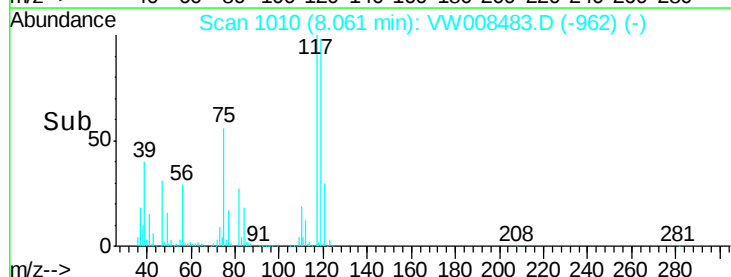
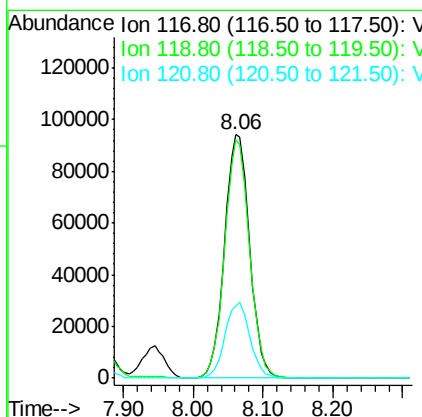
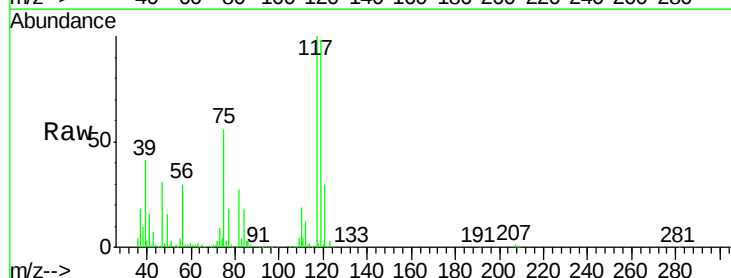
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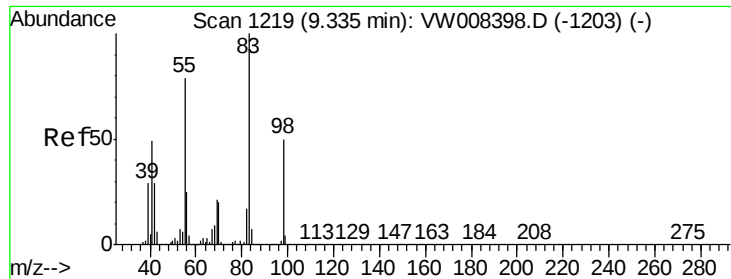
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2/4/2019 4:32:40 PM



#38
Carbon Tetrachloride
Concen: 54.858 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.0	112.4
121	29.8	24.9	37.3





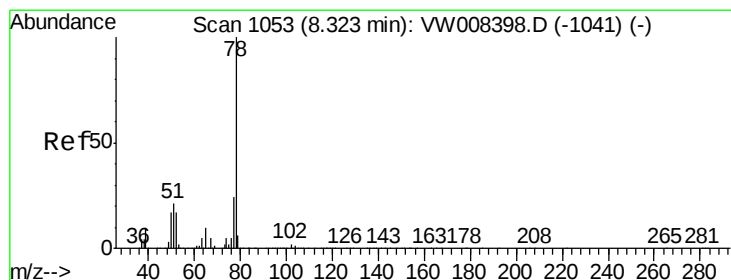
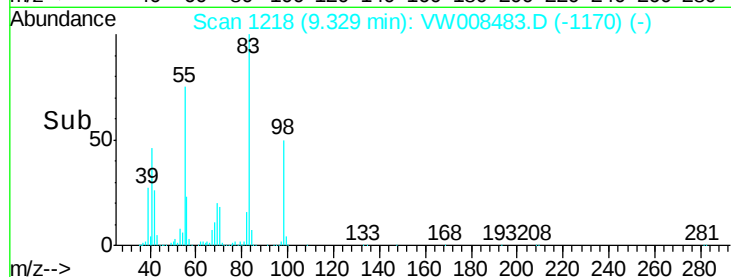
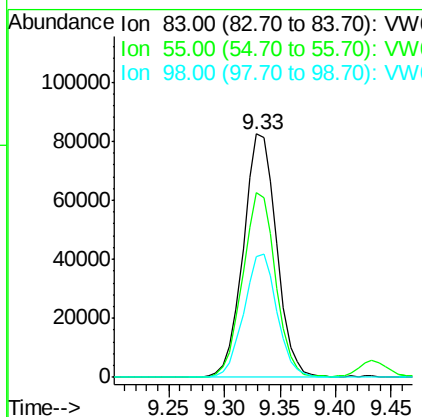
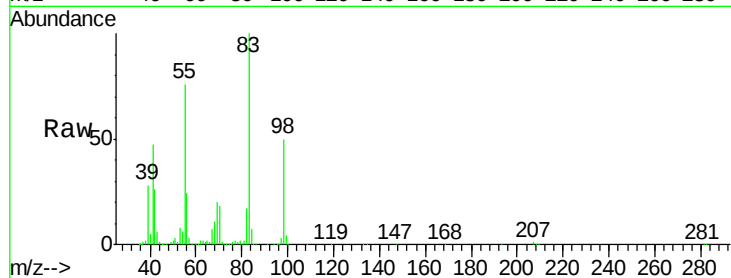
#39
Methvlcvclohexane
Concen: 30.899 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	63.3	94.9
98	49.5	39.7	59.5

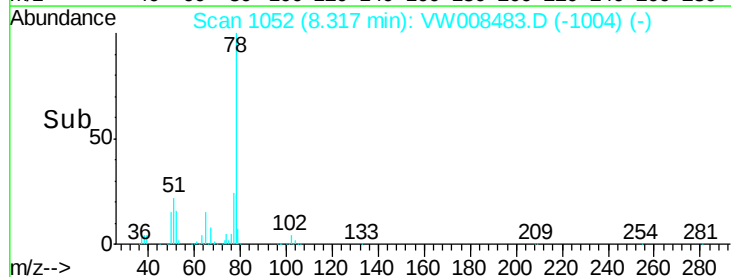
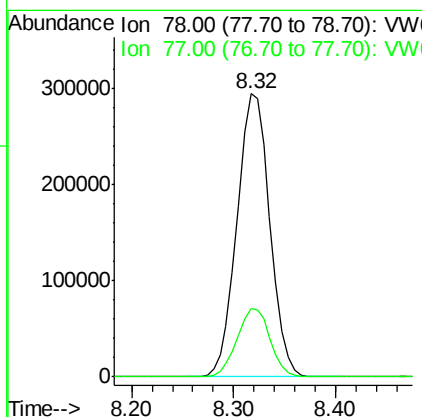
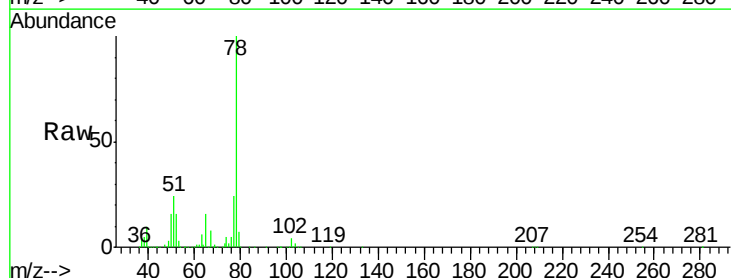
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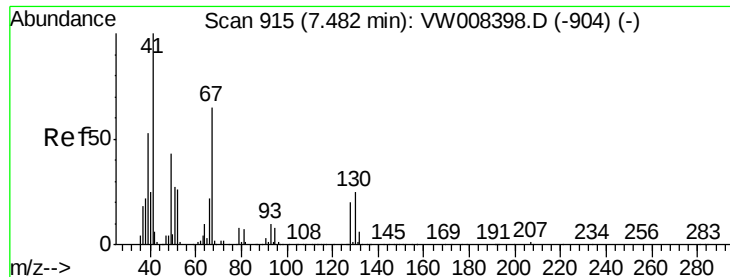
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#40
Benzene
Concen: 55.799 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





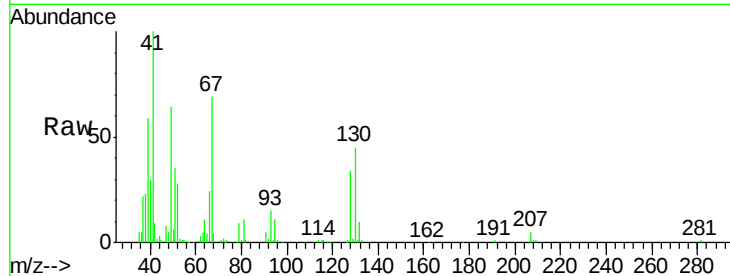
#41
Methacrylonitrile
Concen: 60.095 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

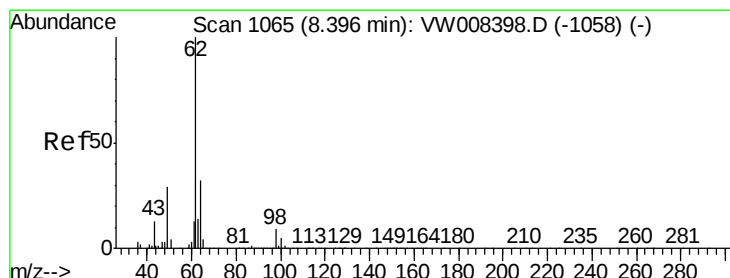
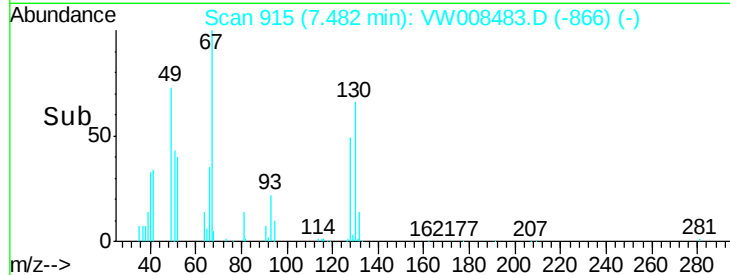
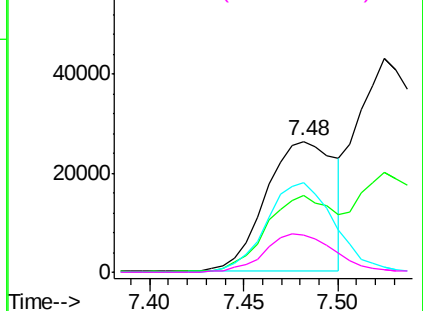
Tot Ion	Ion	Ratio	Lower	Upper
66701	41	100		
	39	56.6	43.4	65.0
	67	69.2	54.2	81.2
	52	30.1	22.9	34.3

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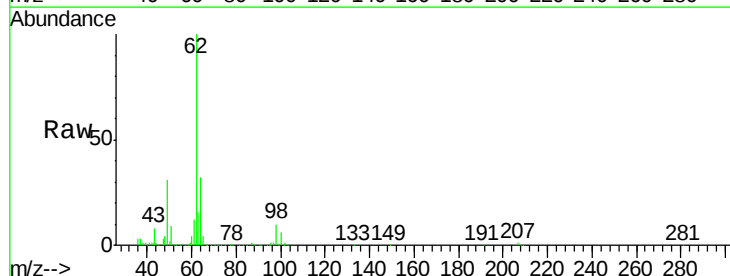


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

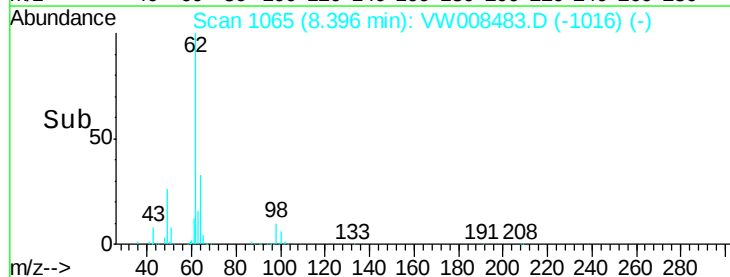
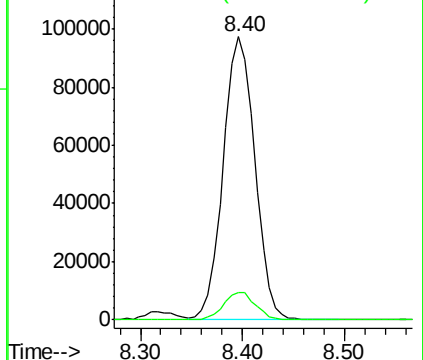


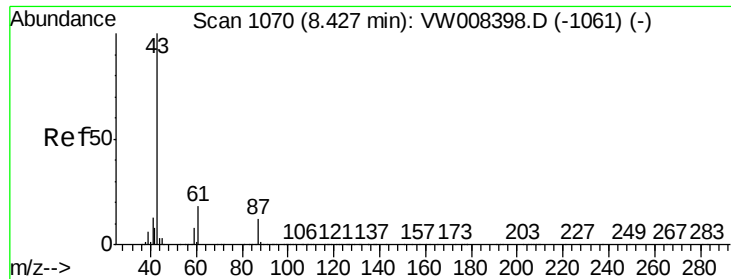
#42
1,2-Dichloroethane
Concen: 61.322 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ion	Ratio	Lower	Upper
208927	62	100		
	98	9.9	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





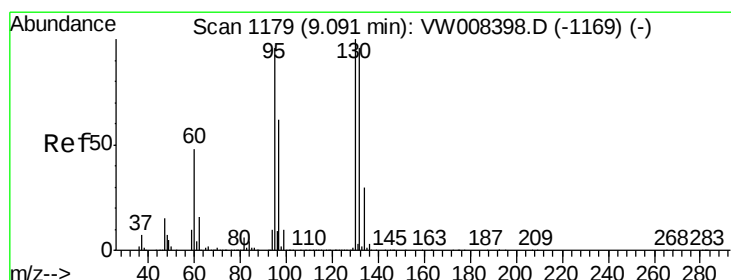
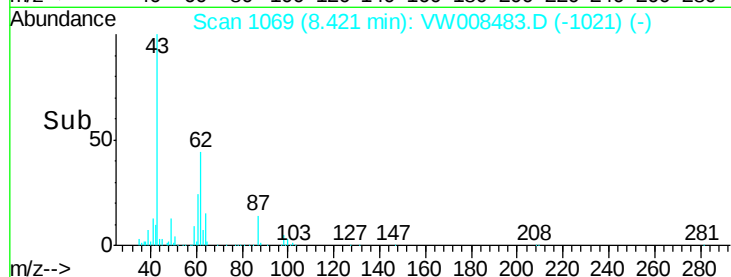
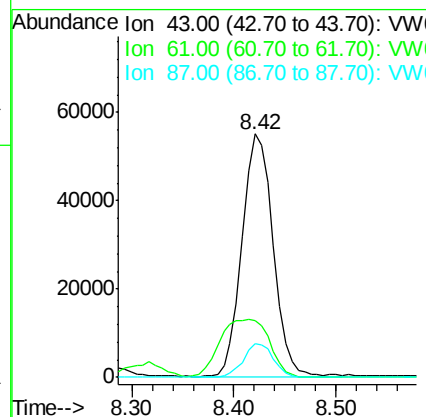
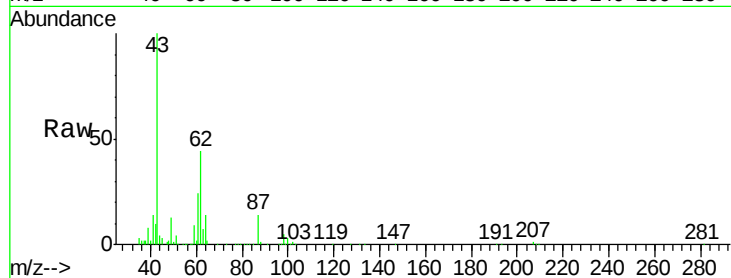
#43
Isopropyl Acetate
Concen: 30.059 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.6	22.0	33.0#
87	13.4	9.3	13.9

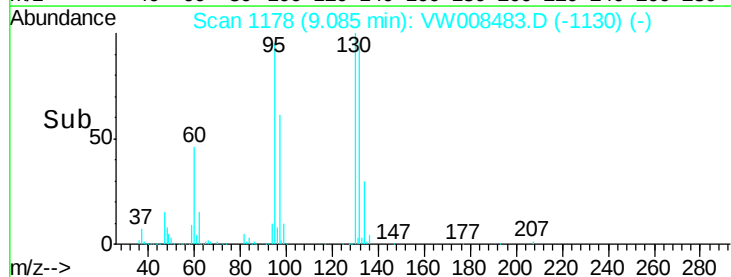
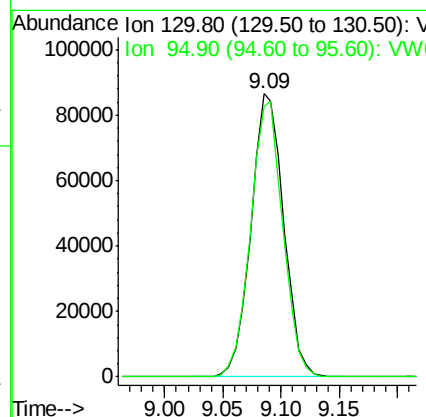
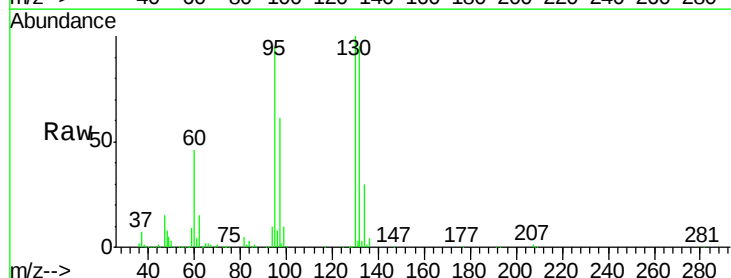
Manual Integrations
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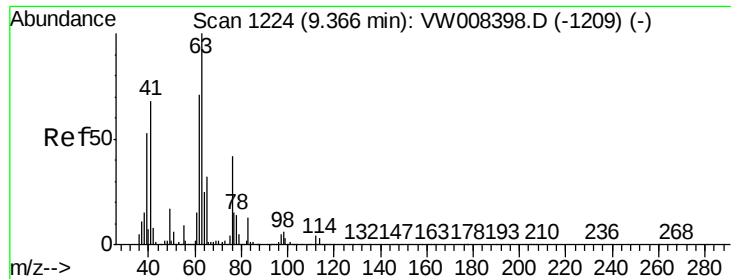
MMDadoda
2/4/2019 4:32:40 PM



#44
Trichloroethene
Concen: 52.980 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	191.6





#45

1,2-Dichloropropane

Concen: 58.510 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 63 Resp: 171516

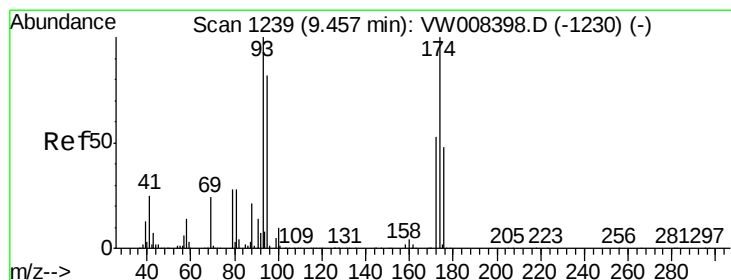
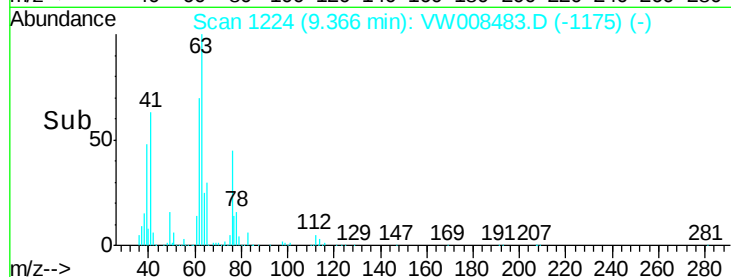
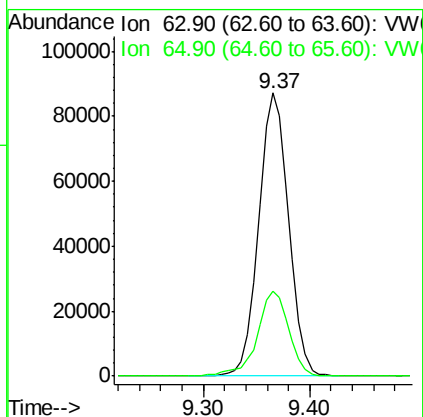
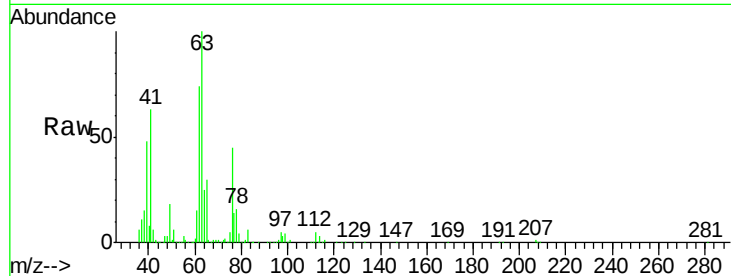
Ion Ratio Lower Upper

63 100

65 30.1 25.2 37.8

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2/4/2019 4:32:40 PM



#46

Dibromomethane

Concen: 63.527 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

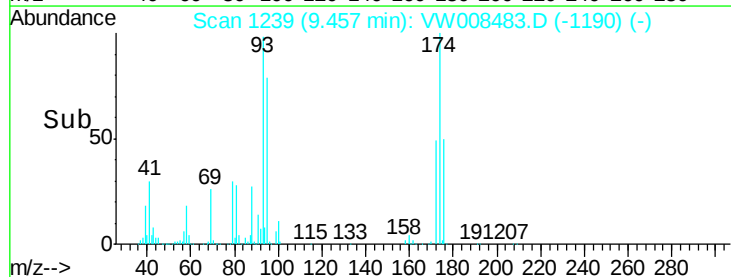
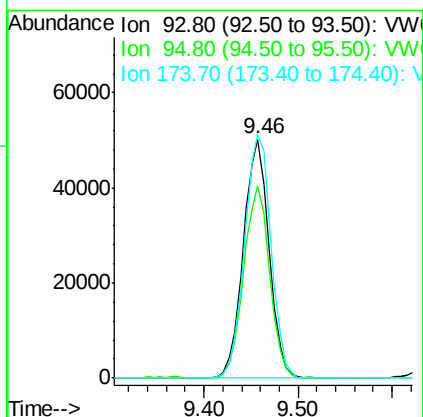
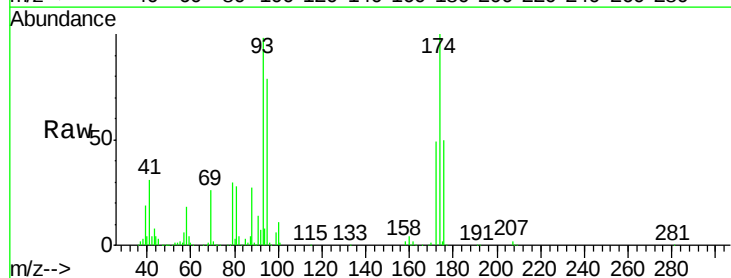
Tgt Ion: 93 Resp: 95782

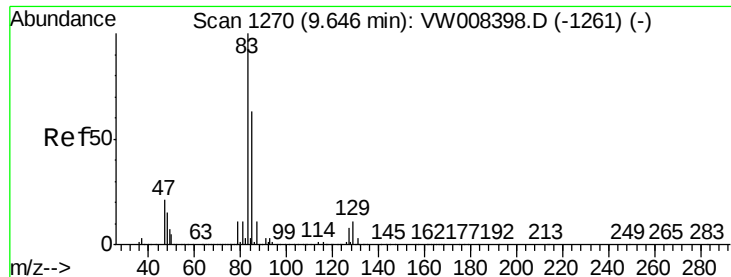
Ion Ratio Lower Upper

93 100

95 81.4 65.9 98.9

174 104.8 81.0 121.6





#47

Bromodichloromethane

Concen: 59.124 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

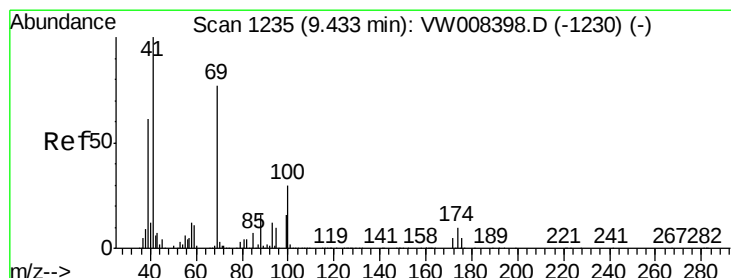
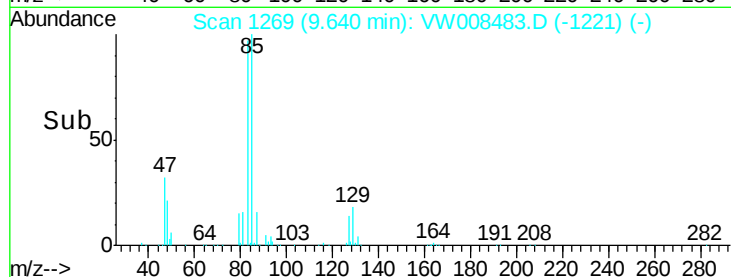
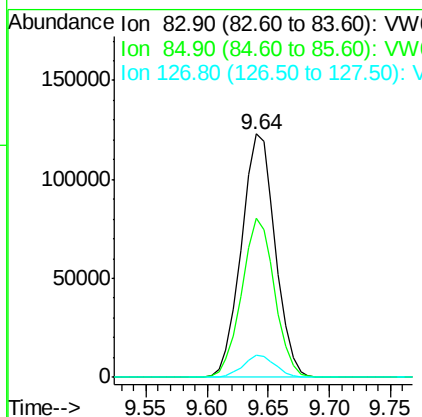
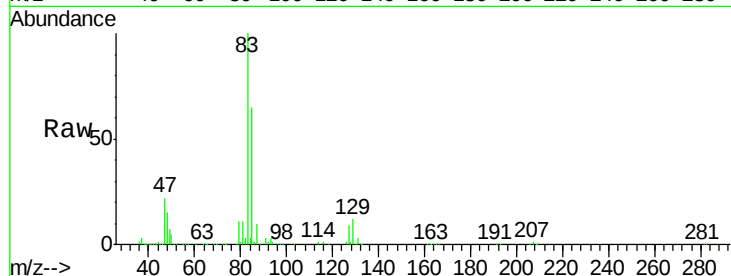
ClientSampleId :

A0C17-SS1MSD

Tot Ion:	83	Resp:	235787
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.8	76.2
127	9.0	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 85.779 ug/l

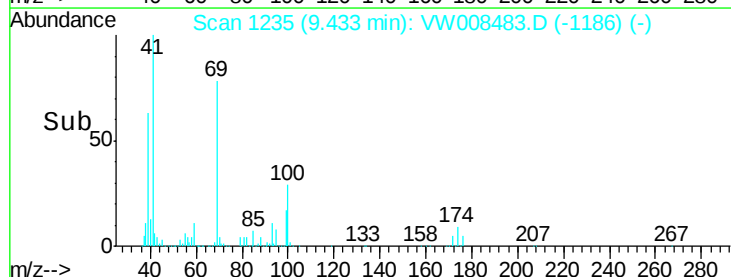
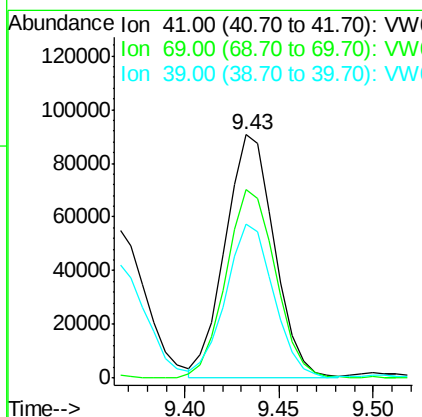
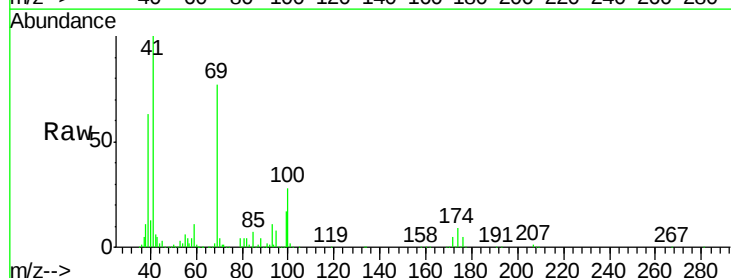
RT: 9.43 min Scan# 1235

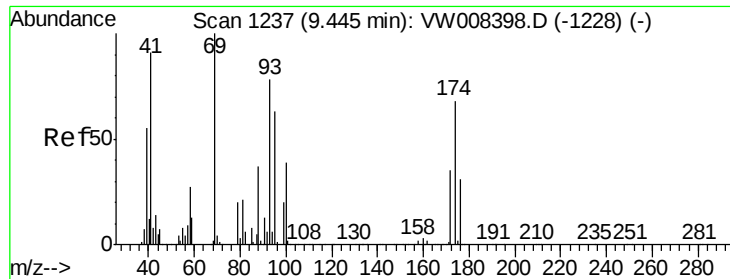
Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Tgt Ion:	41	Resp:	163340
Ion Ratio	Lower	Upper	
41	100		
69	78.7	64.8	97.2
39	61.7	49.1	73.7





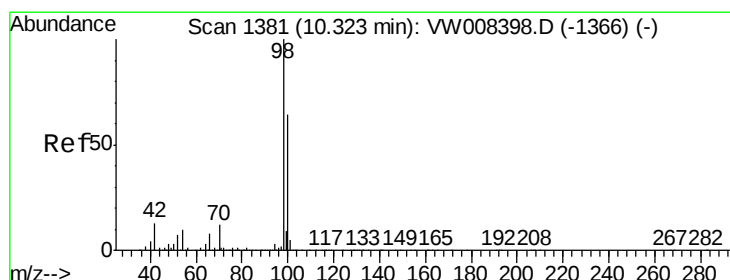
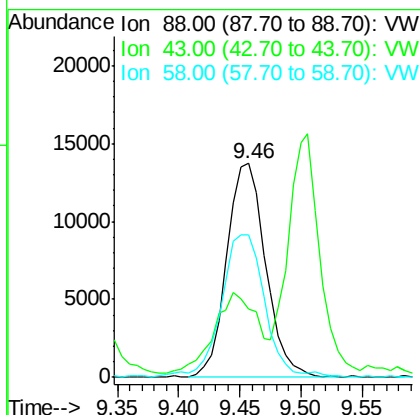
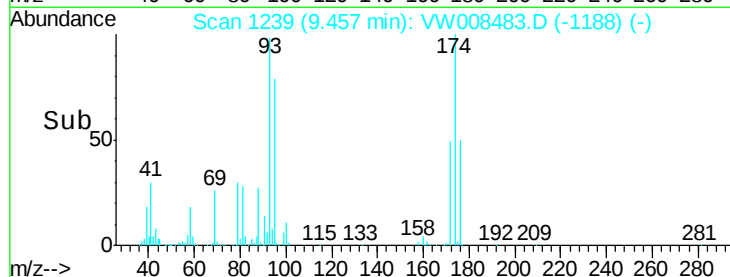
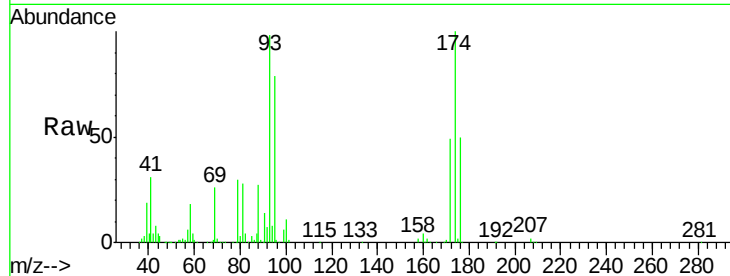
#49
1,4-Dioxane
Concen: 1186.565 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.7	29.0	43.4#
58	73.4	56.4	84.6

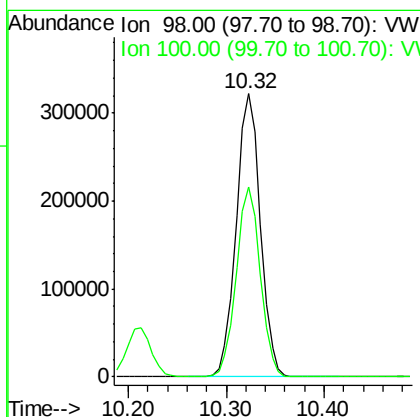
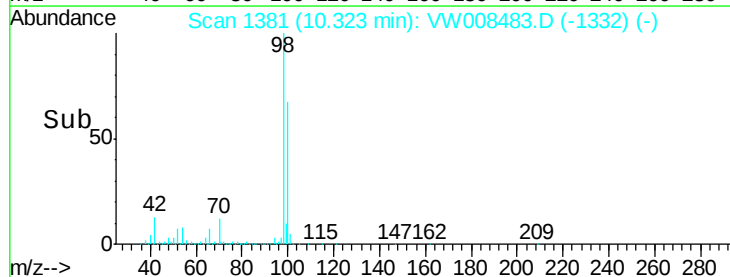
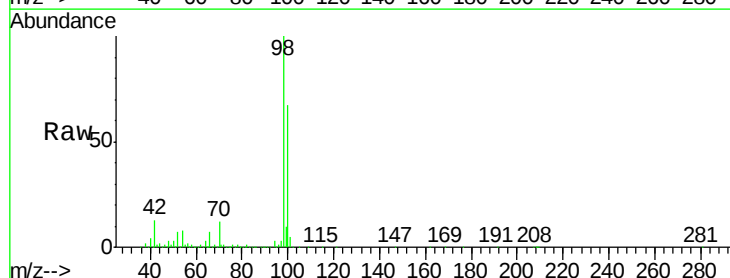
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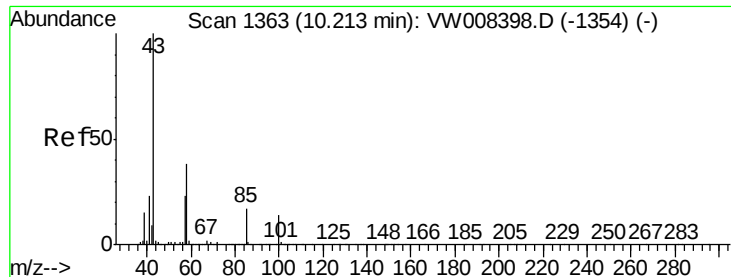
MMDadoda
2/4/2019 4:32:40 PM



#50
Toluene-d8
Concen: 52.422 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.6	78.8





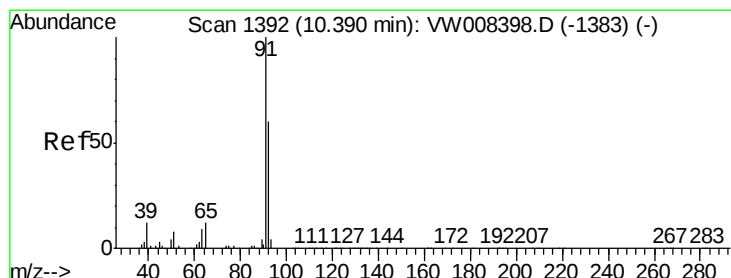
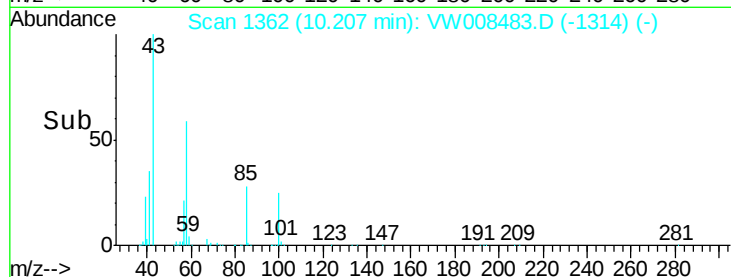
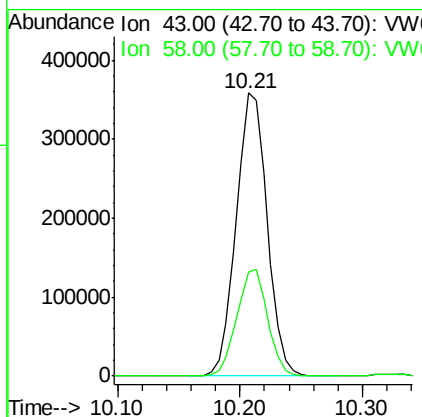
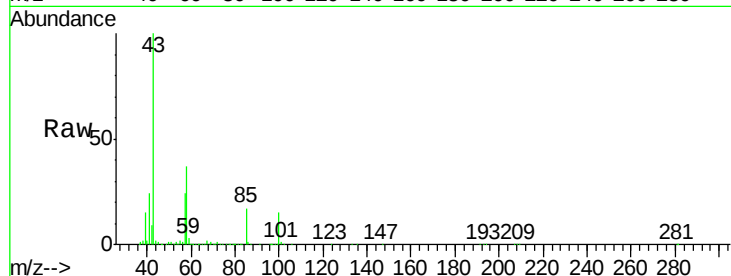
#51
4-Methyl-2-Pentanone
Concen: 325.912 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.7	44.5

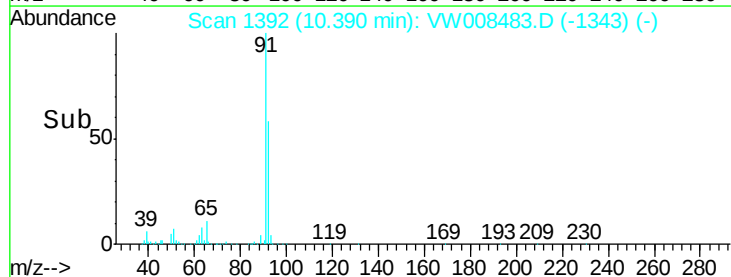
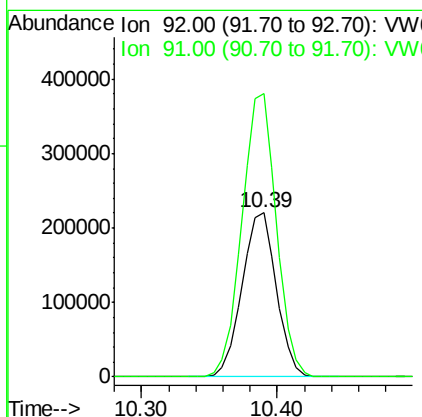
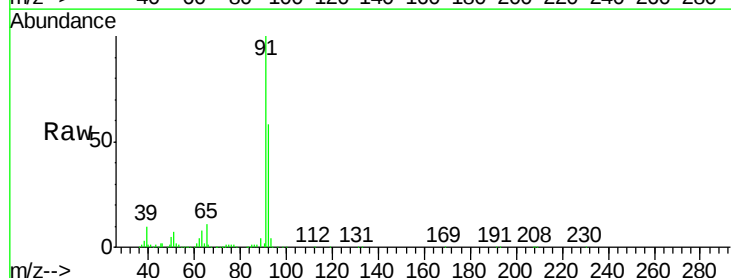
Manual Integrations
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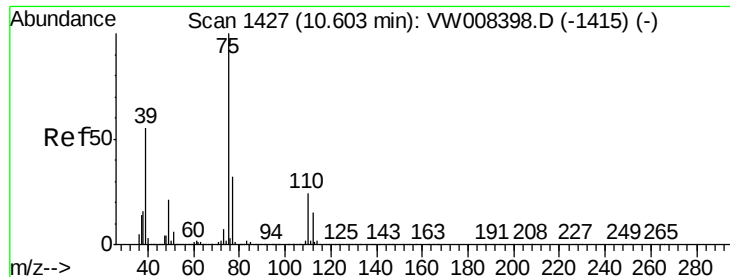
MMDadoda
2/4/2019 4:32:40 PM



#52
Toluene
Concen: 50.273 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 53.513 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 75 Resp: 227084

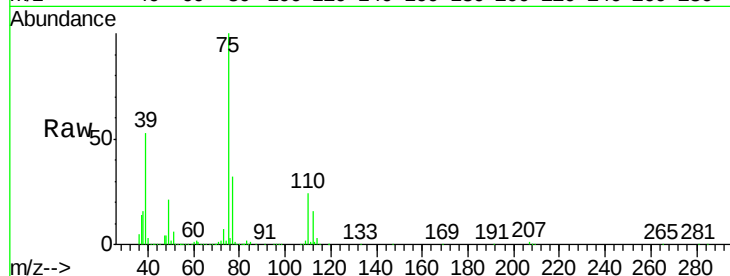
Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

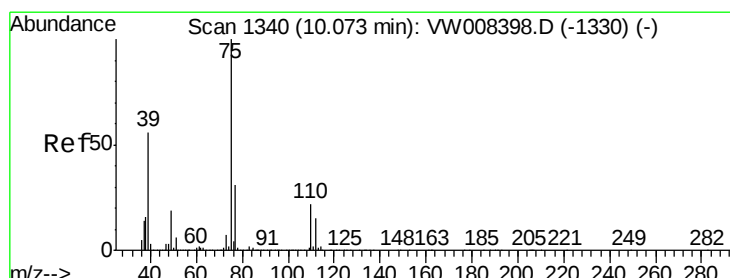
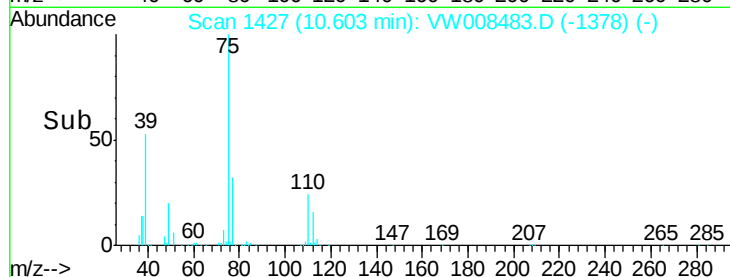
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.264 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

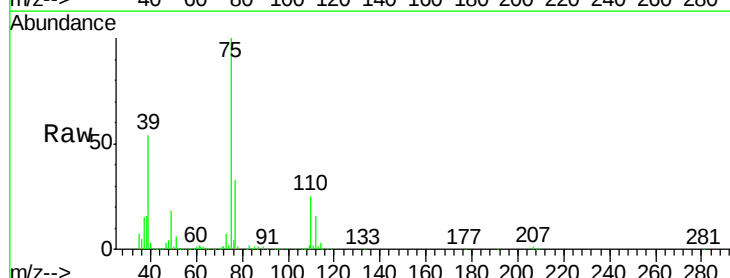
Tgt Ion: 75 Resp: 256503

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.4

39 54.2 44.9 67.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

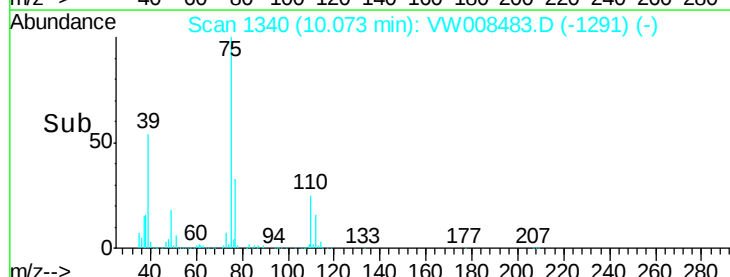
150000

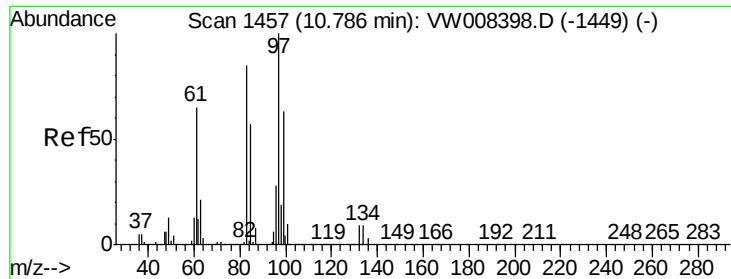
100000

50000

0

Time-->





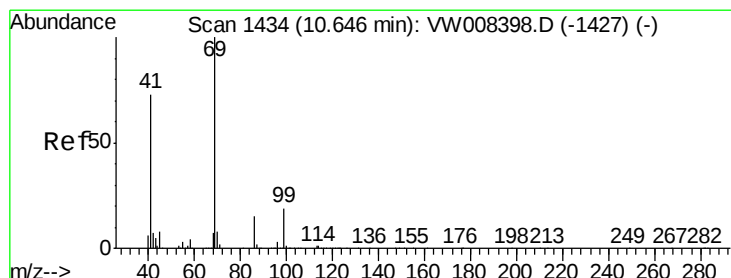
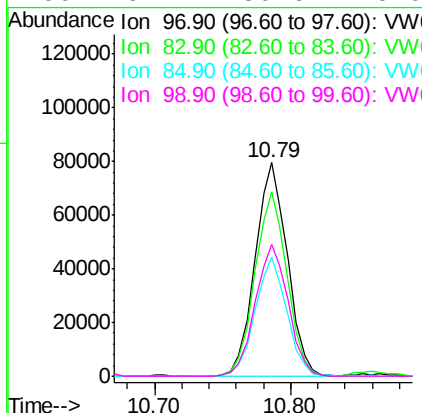
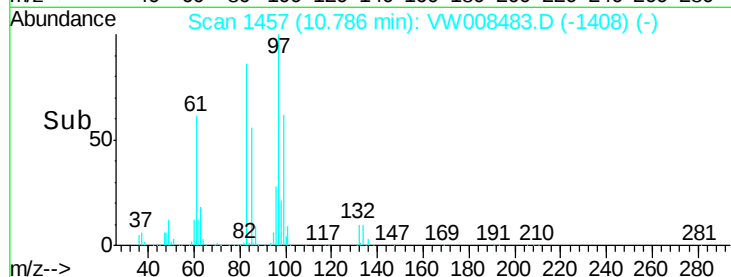
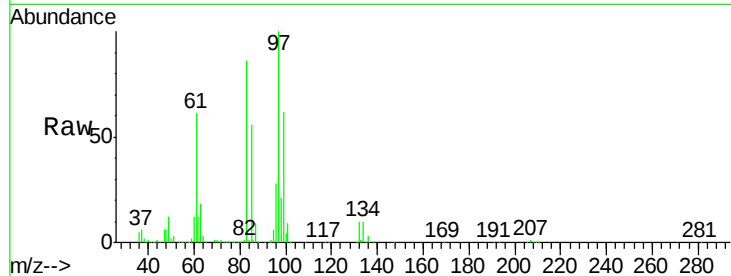
#55
 1,1,2-Trichloroethane
 Concen: 63.366 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		132518		
83	86.4	68.4	102.6		
85	55.7	45.3	67.9		
99	61.7	50.6	76.0		

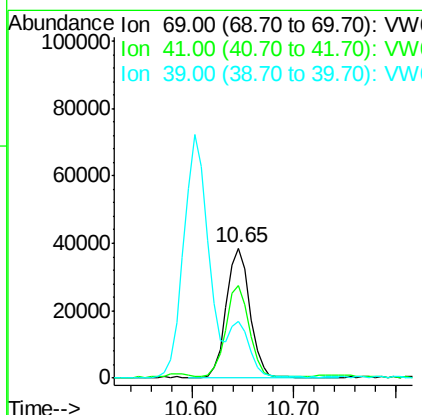
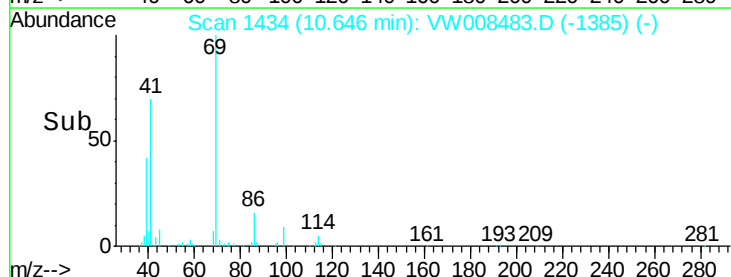
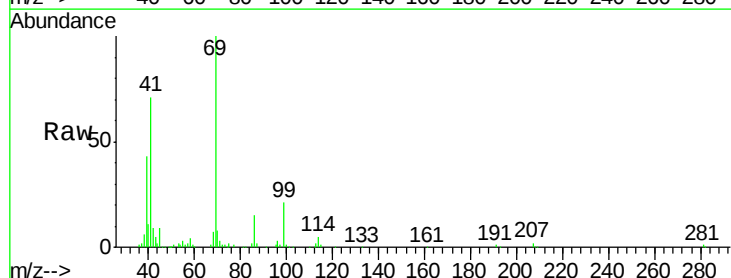
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 20.986 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		61498		
41	69.0	58.7	88.1		
39	34.3	32.6	48.8		





#57

1,3-Dichloropropane

Concen: 60.829 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 76 Resp: 227903

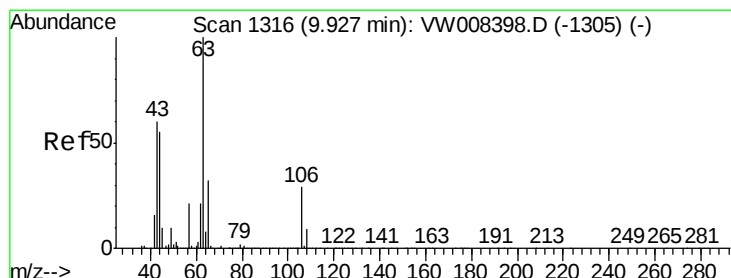
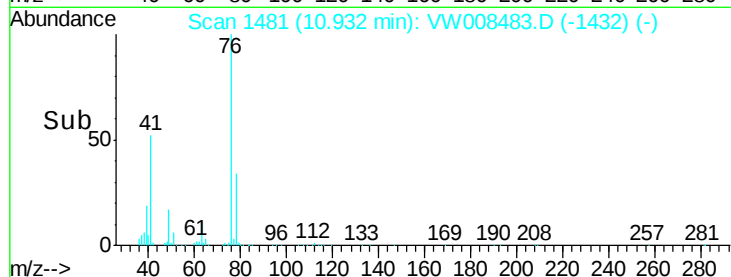
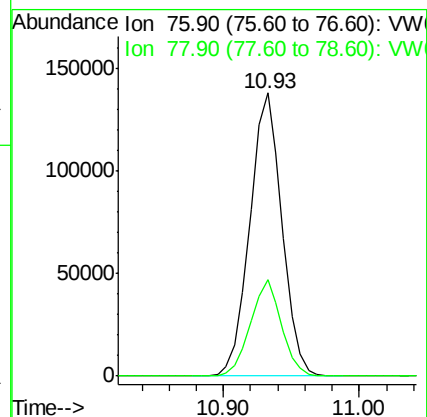
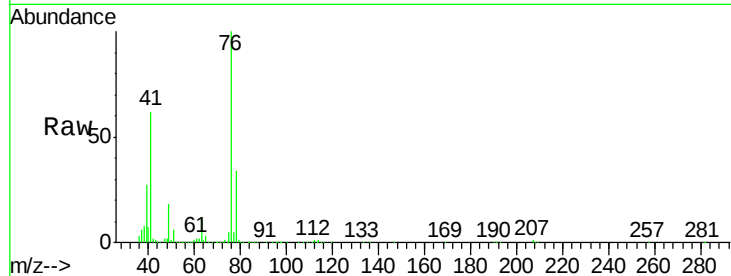
Ion Ratio Lower Upper

76 100

78 33.0 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:32:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 312.886 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008483.D

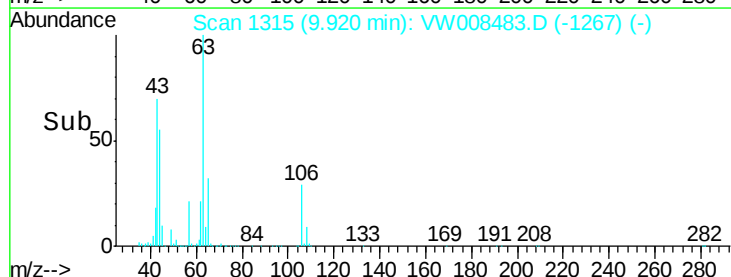
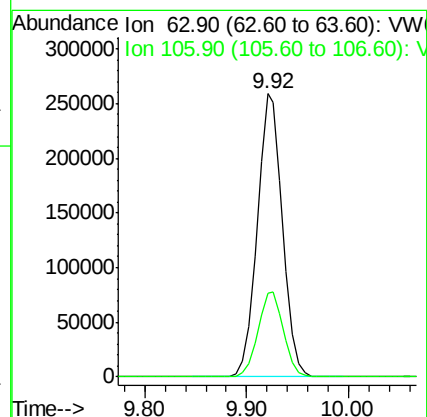
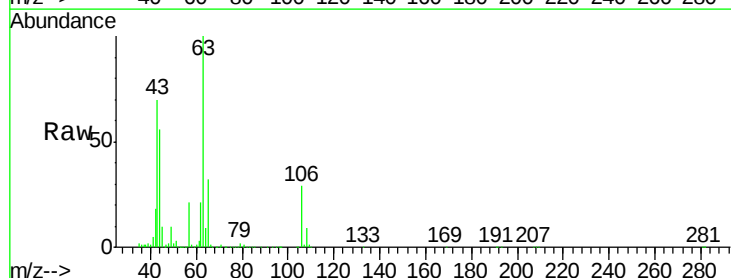
Acq: 01 Feb 2019 15:56

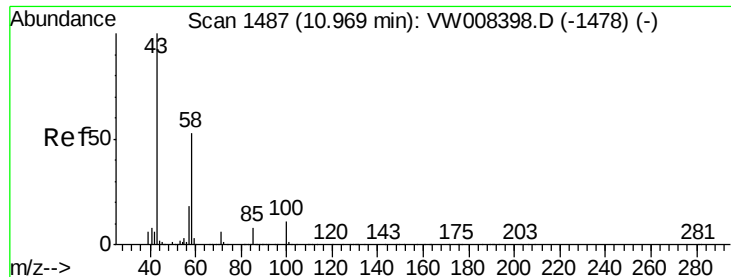
Tgt Ion: 63 Resp: 445483

Ion Ratio Lower Upper

63 100

106 30.3 22.4 33.6





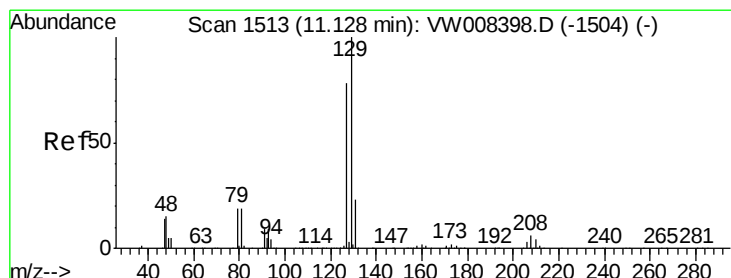
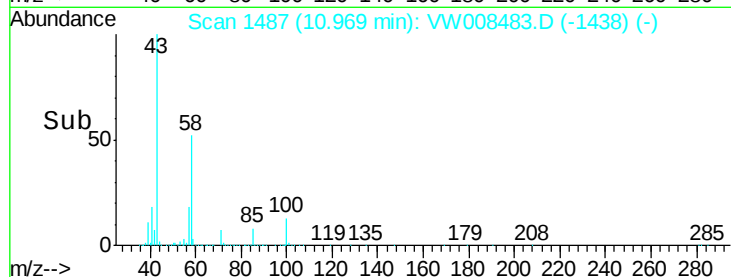
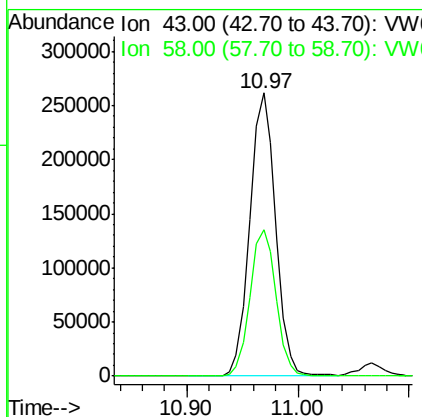
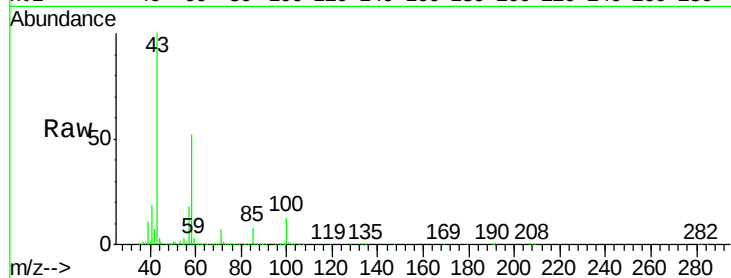
#59
2-Hexanone
Concen: 309.984 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion: 43 Resp: 421025
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7

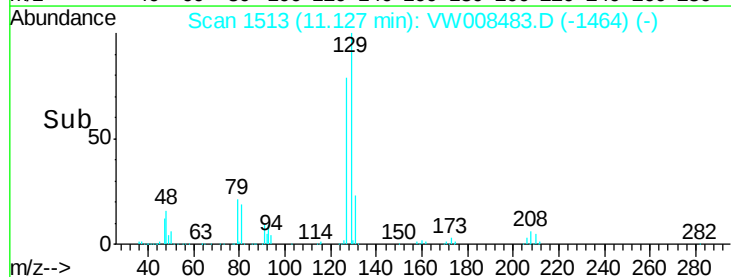
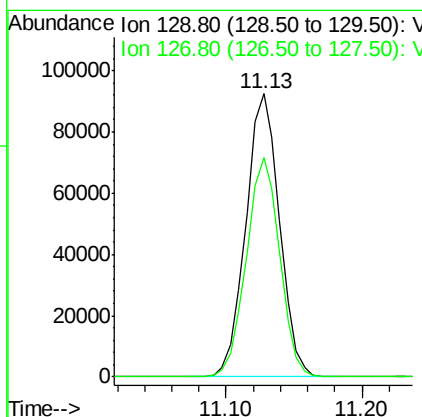
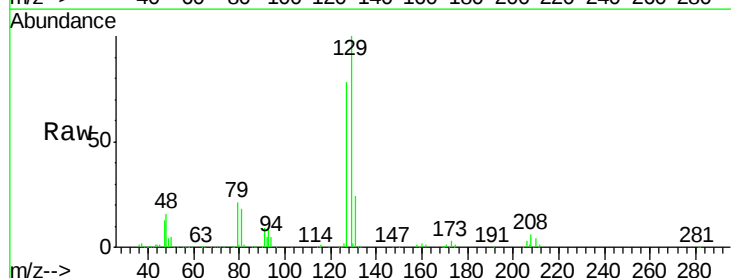
Manual Integrations
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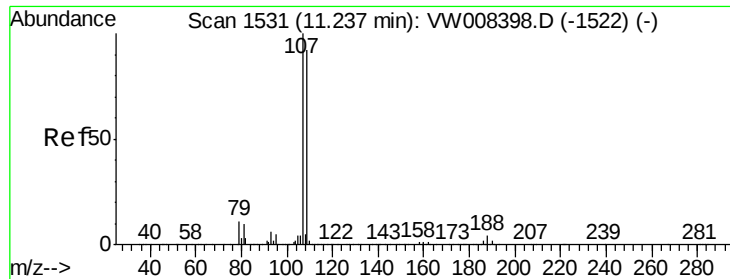
MMDadoda
2/4/2019 4:32:40 PM



#60
Dibromochloromethane
Concen: 59.697 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion: 129 Resp: 160437
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 60.626 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 107 Resp: 125715

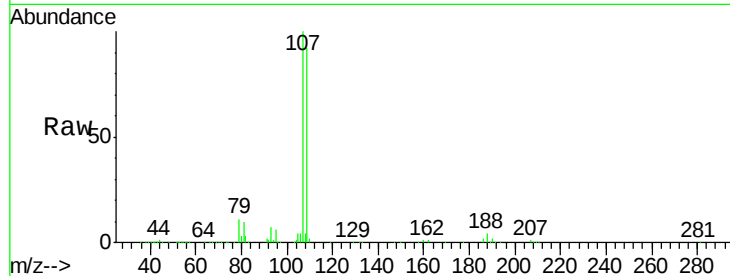
Ion Ratio Lower Upper

107 100

109 94.2 75.0 112.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

80000

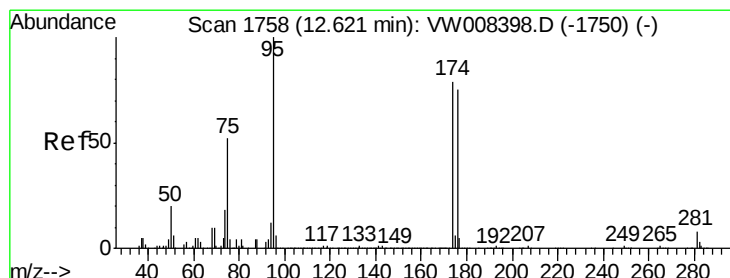
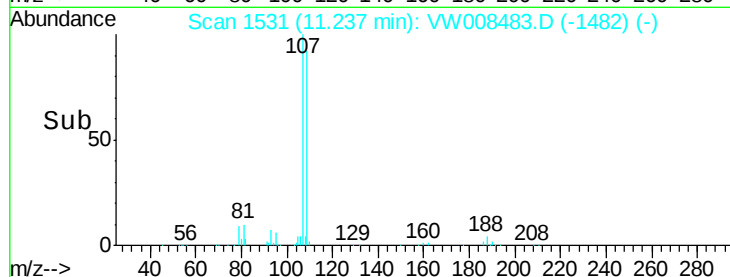
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.298 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

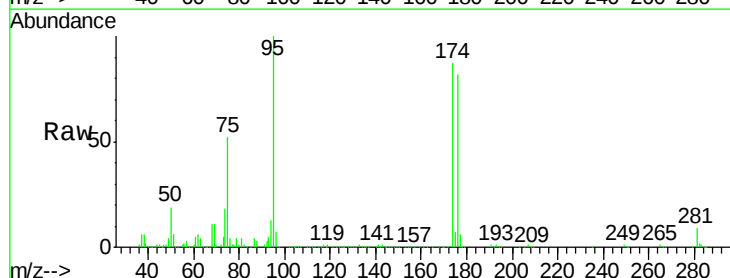
Tgt Ion: 95 Resp: 166954

Ion Ratio Lower Upper

95 100

174 84.0 0.0 157.6

176 80.4 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

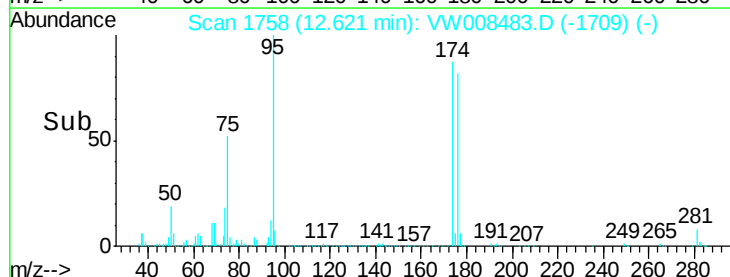
12.62

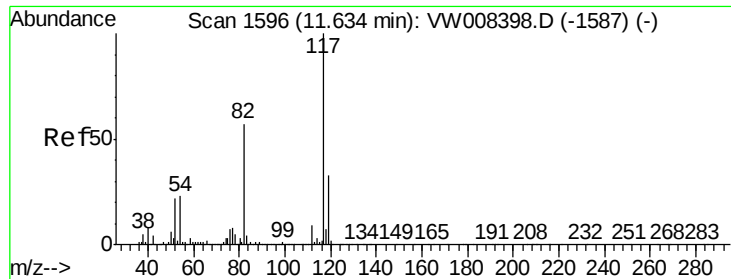
100000

50000

0

Time-->





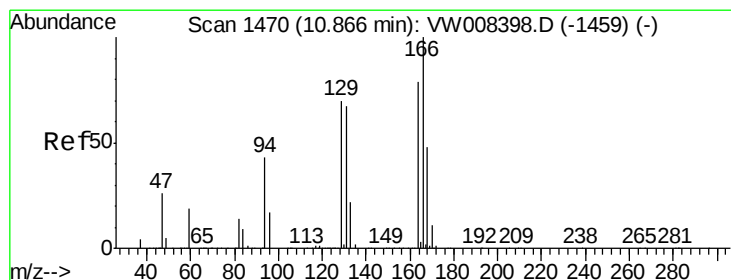
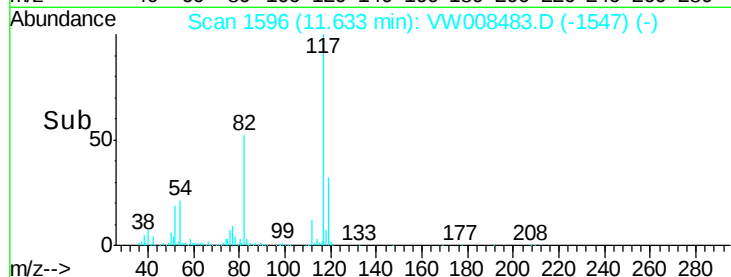
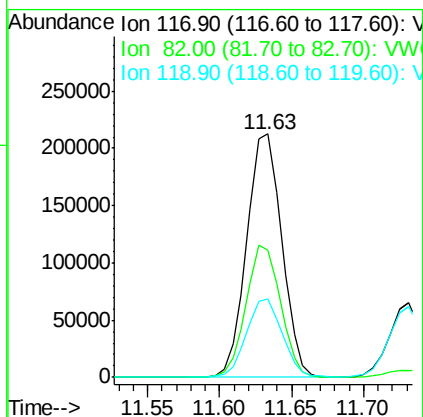
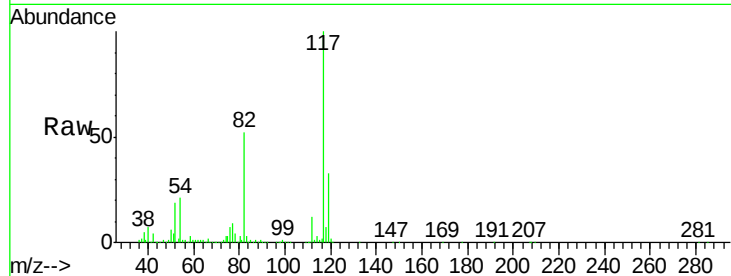
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	52.0	45.4	68.0
119	32.2	26.2	39.4

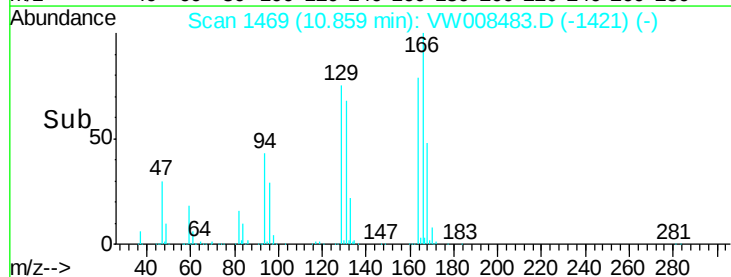
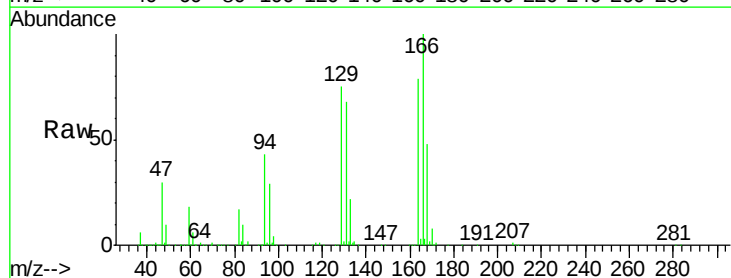
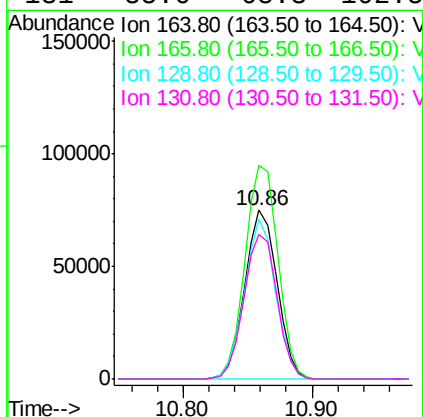
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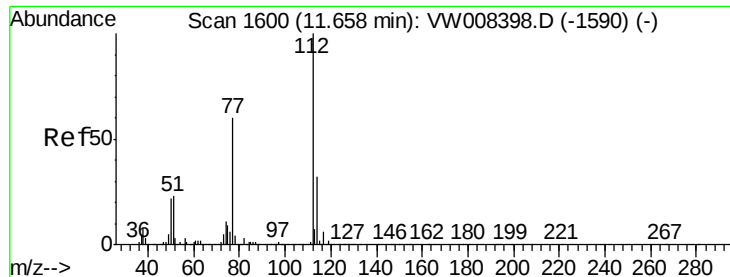
MMDadoda
2/4/2019 4:32:40 PM



#64
Tetrachloroethene
Concen: 53.259 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.5	101.4	152.0
129	94.6	71.0	106.6
131	85.6	68.3	102.5





#65

Chlorobenzene

Concen: 53.695 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion:112 Resp: 392794

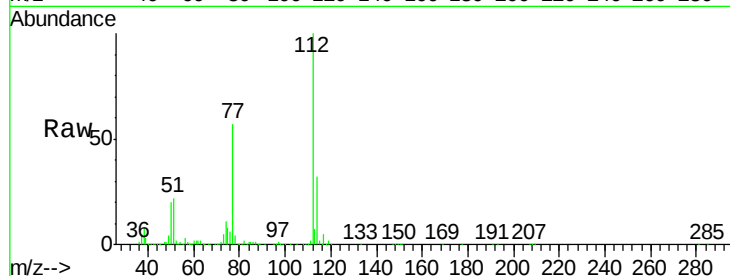
Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2

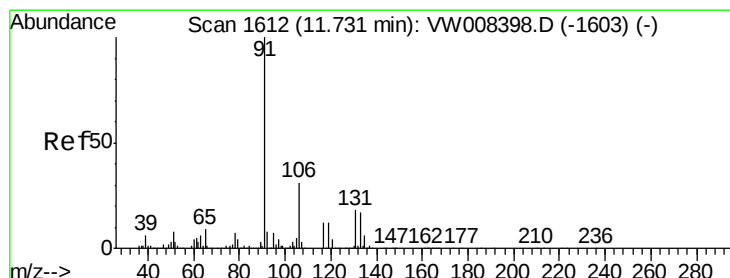
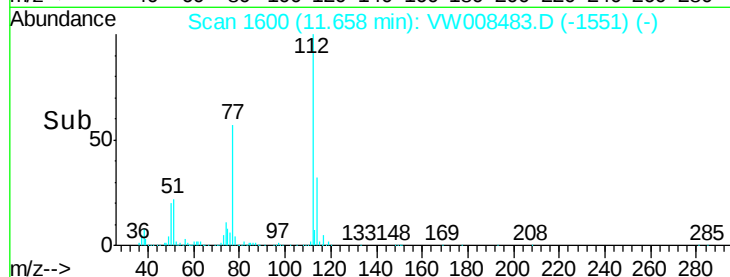
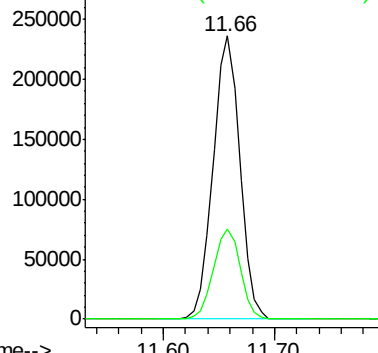
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 63.048 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

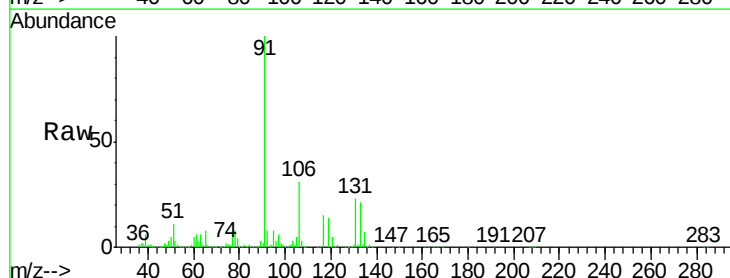
Tgt Ion:131 Resp: 165012

Ion Ratio Lower Upper

131 100

133 95.3 47.0 141.2

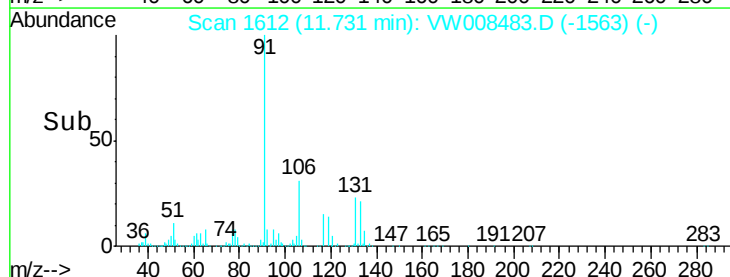
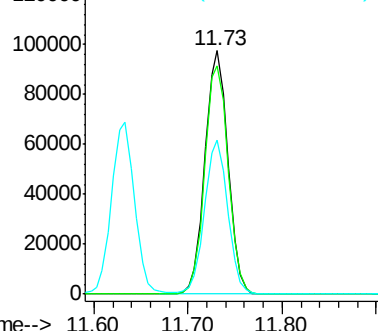
119 63.8 32.1 96.3

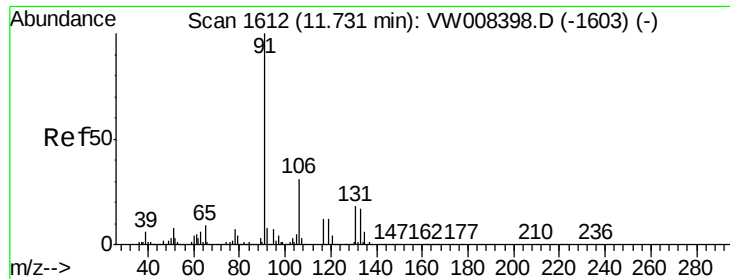


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





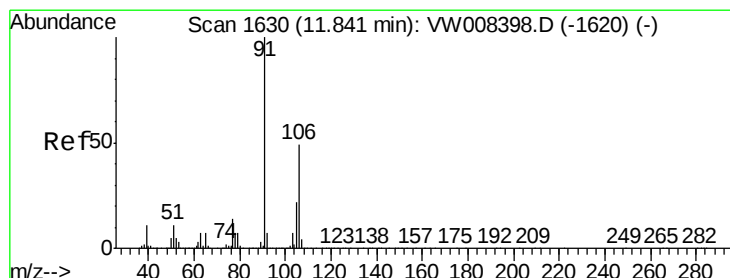
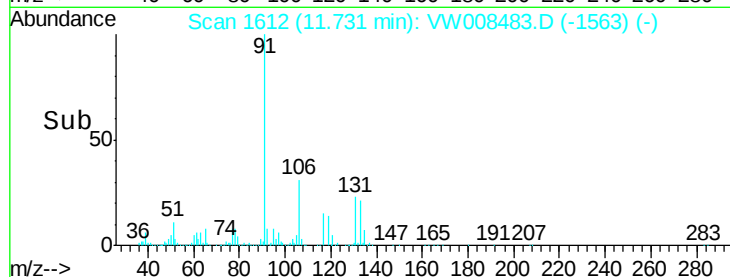
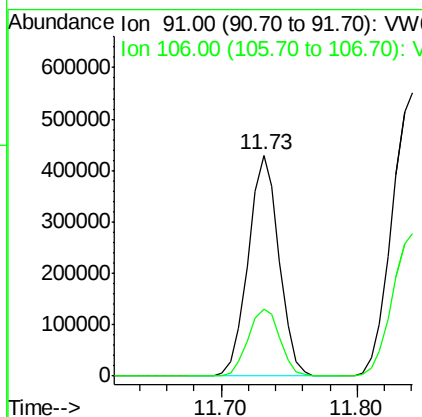
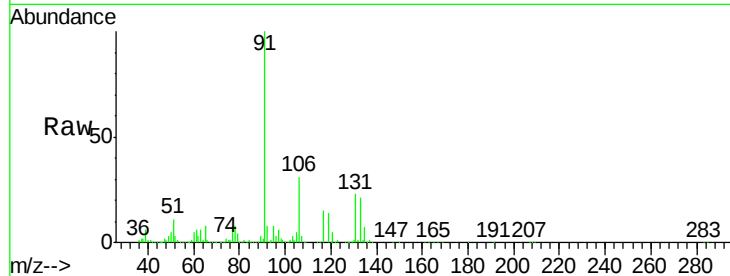
#67
Ethyl Benzene
Concen: 50.564 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion: 91 Resp: 679913
Ion Ratio Lower Upper
91 100
106 30.5 24.7 37.1

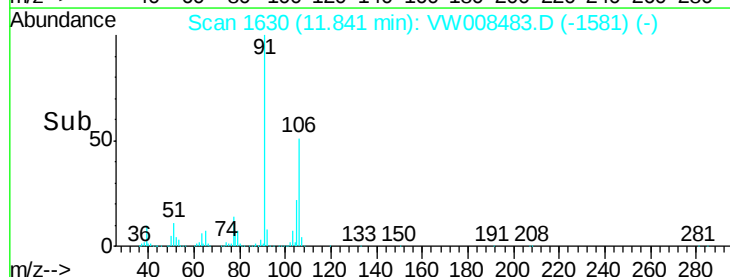
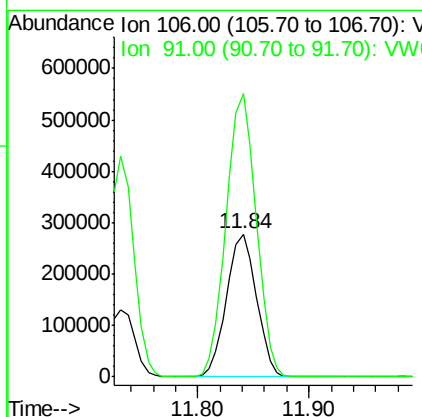
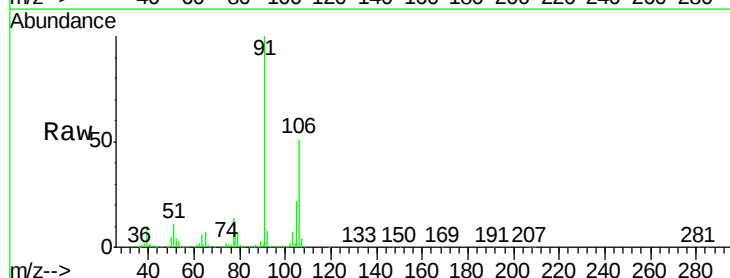
Manual Integrations
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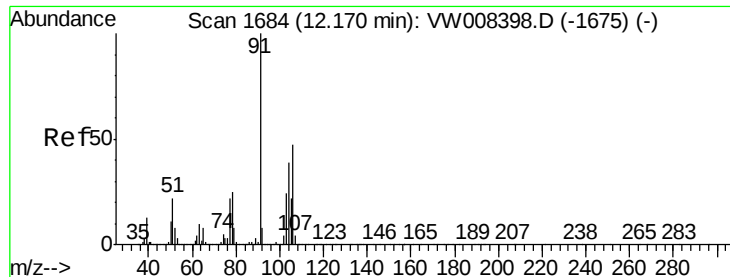
MMDadoda
2/4/2019 4:32:40 PM



#68
m/p-Xylenes
Concen: 99.247 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion: 106 Resp: 517794
Ion Ratio Lower Upper
106 100
91 199.4 162.9 244.3





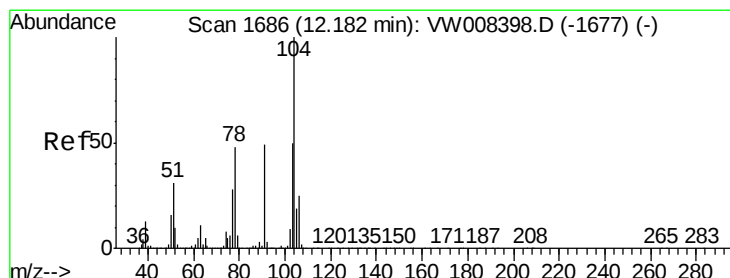
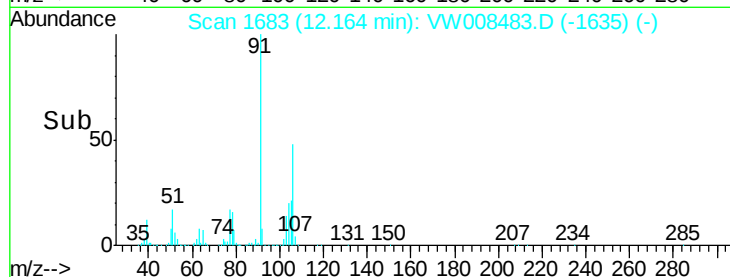
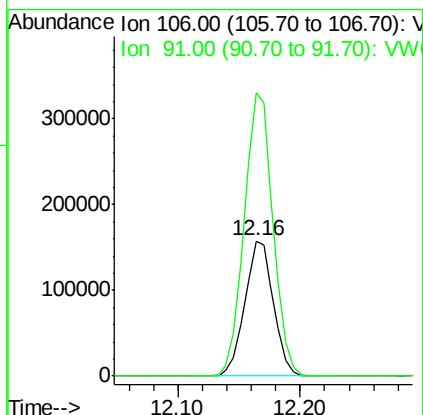
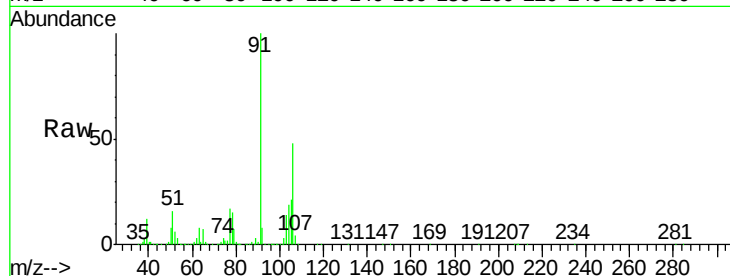
#69
o-Xylene
Concen: 51.599 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampled :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	107.5	322.4

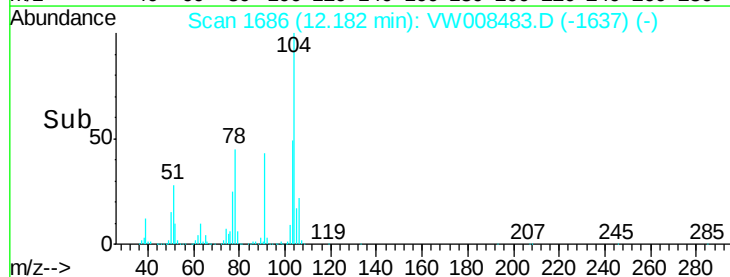
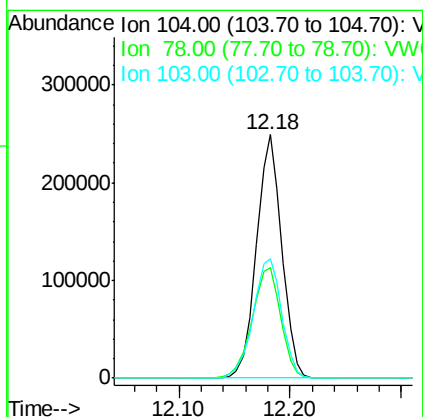
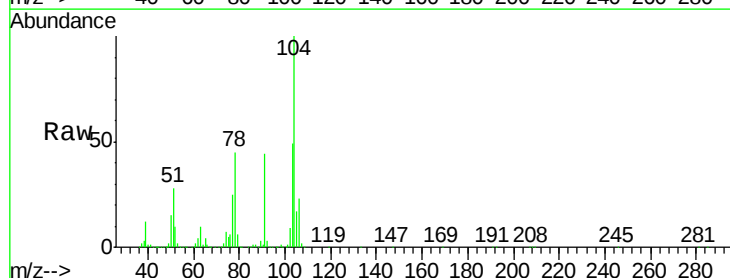
Manual Integrations
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#70
Styrene
Concen: 48.249 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.4	63.6
103	55.2	43.4	65.0





#71

Bromoform

Concen: 65.229 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

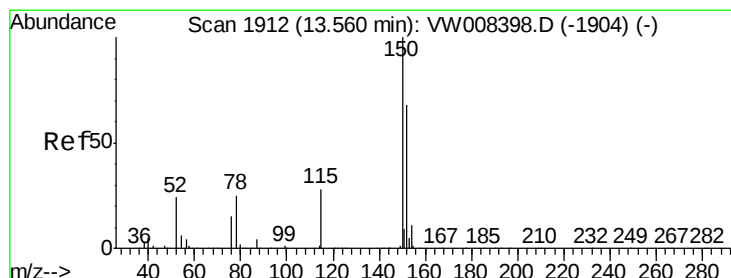
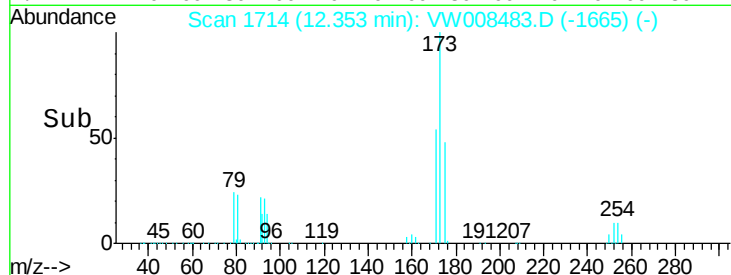
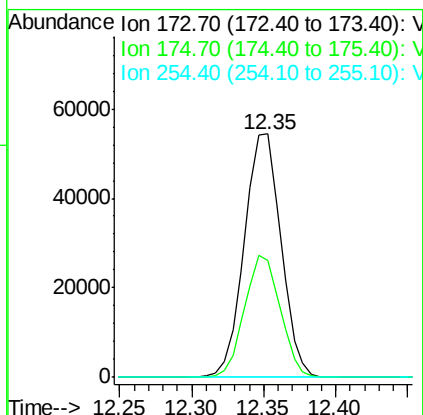
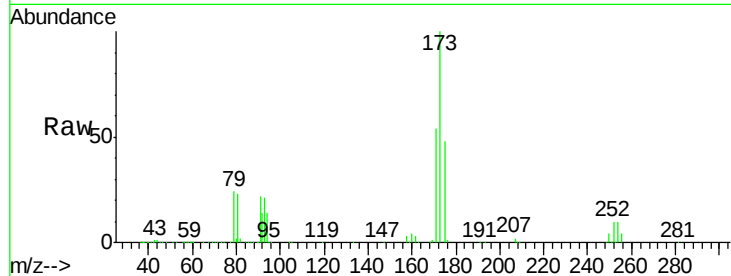
ClientSampleId :

A0C17-SS1MSD

Tot Ion:	173	Resp:	96055
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.4	73.4
254	0.1	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

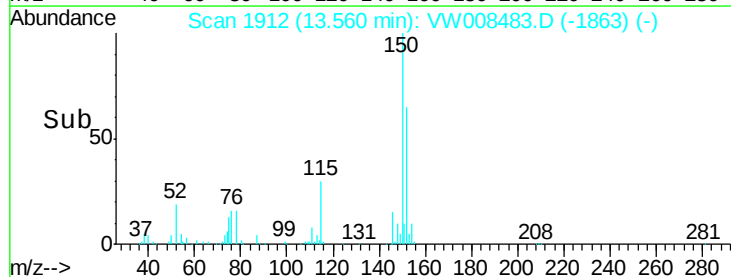
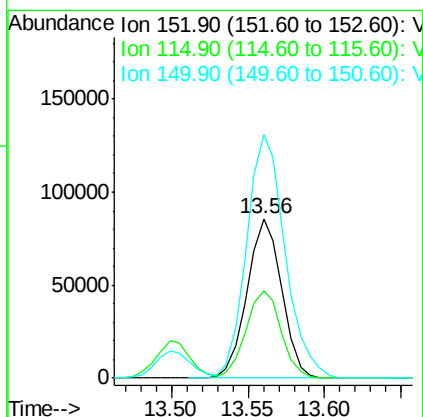
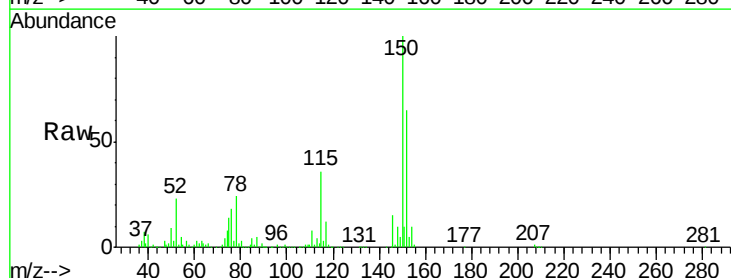
RT: 13.56 min Scan# 1912

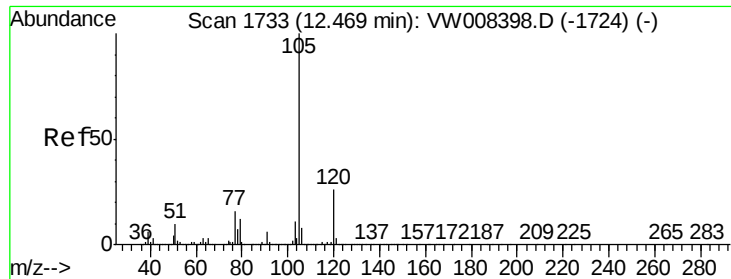
Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Tgt Ion:	152	Resp:	134660
Ion Ratio	Lower	Upper	
152	100		
115	55.4	29.9	89.7
150	169.7	0.0	351.4





#73

Isopropylbenzene

Concen: 60.179 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 105 Resp: 604149

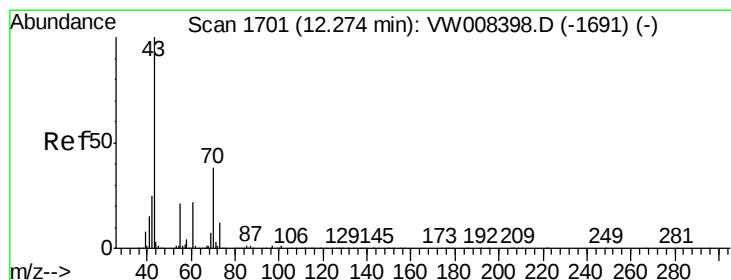
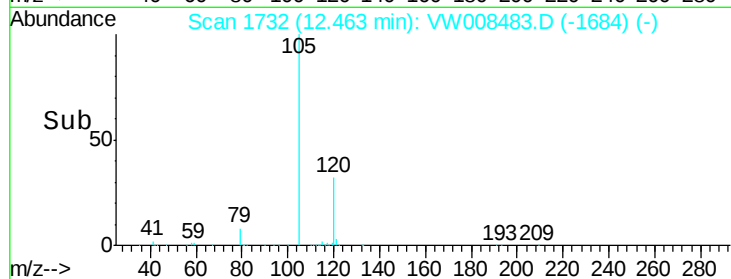
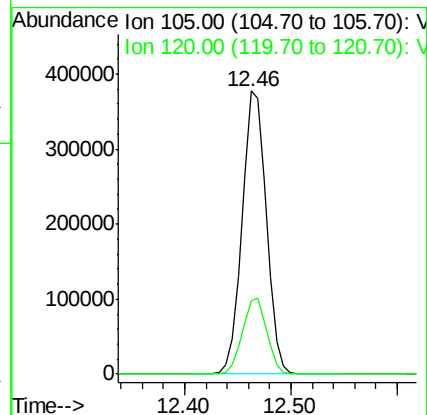
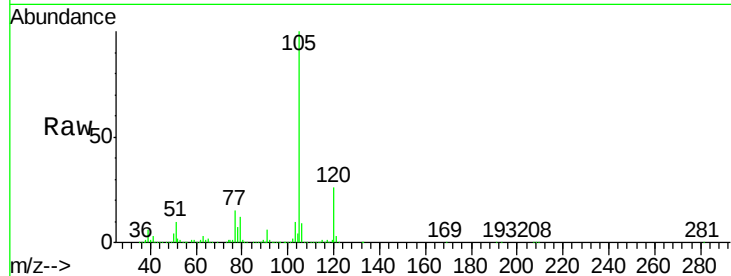
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8

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2/4/2019 4:32:40 PM



#74

N-ethyl acetate

Concen: 2.920 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Tgt Ion: 43 Resp: 7551

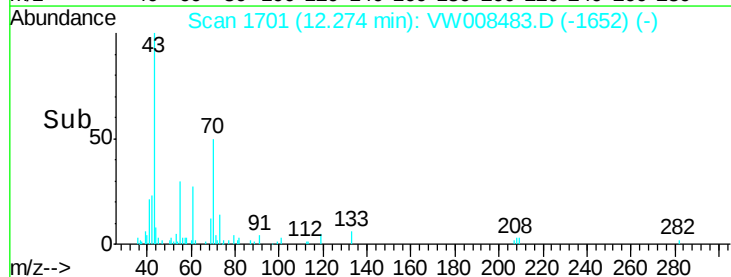
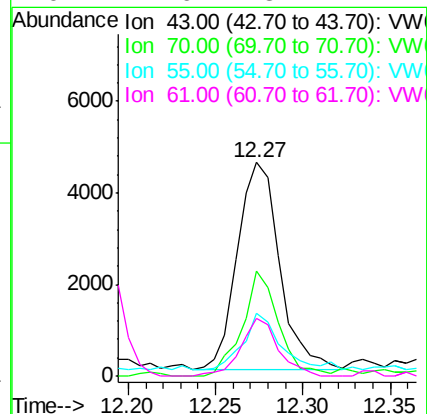
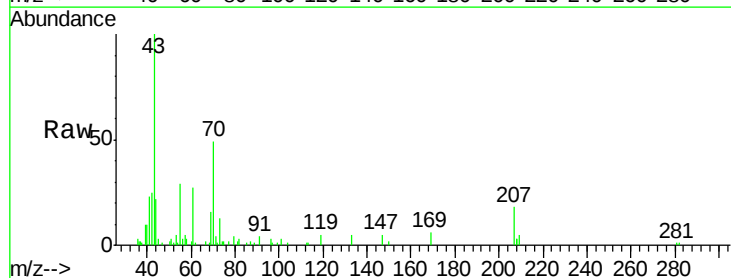
Ion Ratio Lower Upper

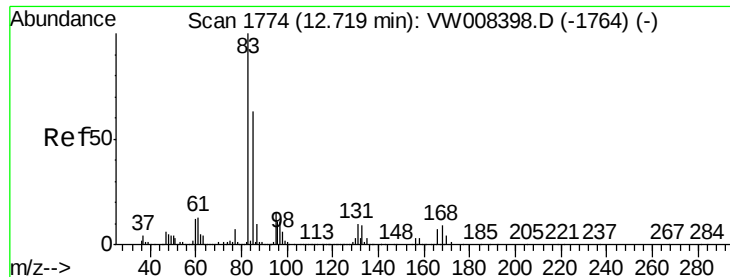
43 100

70 43.6 31.0 46.6

55 26.8 17.4 26.2#

61 24.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 92.805 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

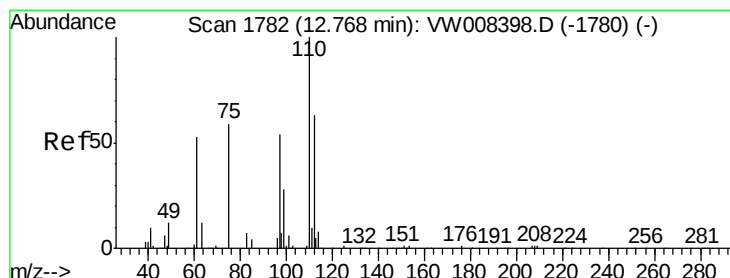
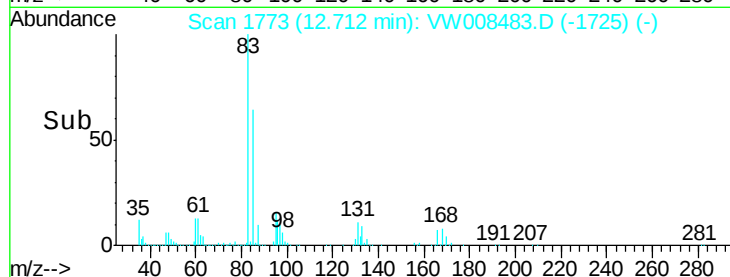
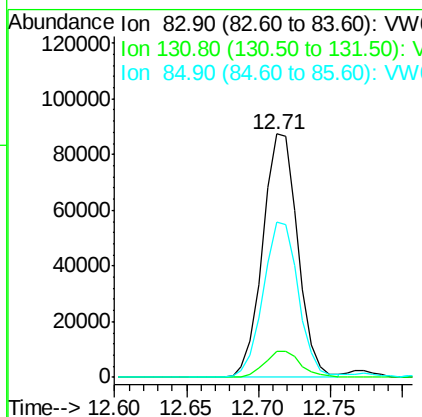
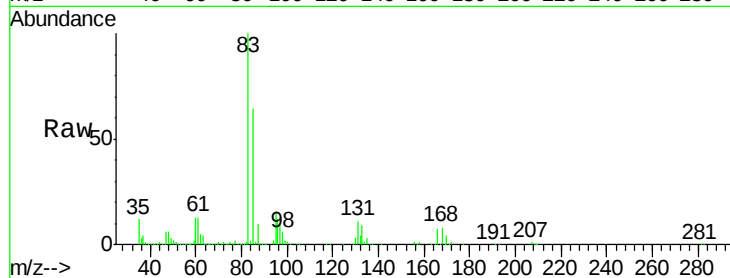
ClientSampleId :

A0C17-SS1MSD

Tot Ion:	83	Resp:	147504
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	63.8	31.9	95.5

Manual Integrations
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2/4/2019 4:32:40 PM



#76

1,2,3-Trichloropropane

Concen: 91.339 ug/l m

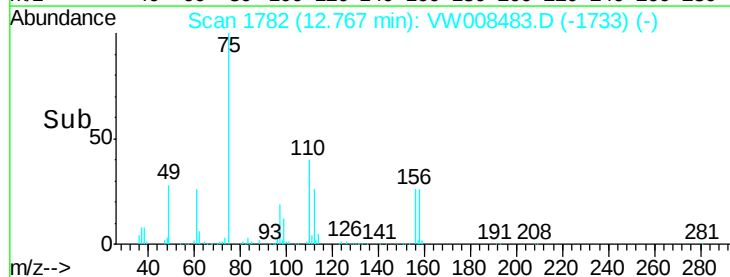
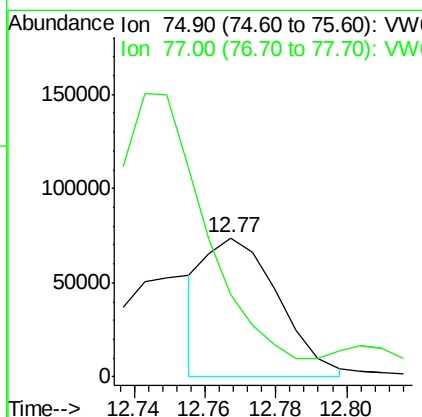
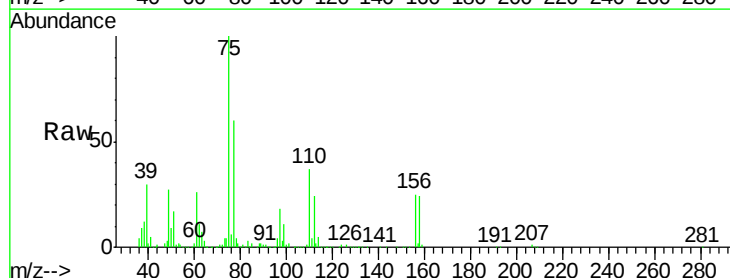
RT: 12.77 min Scan# 1782

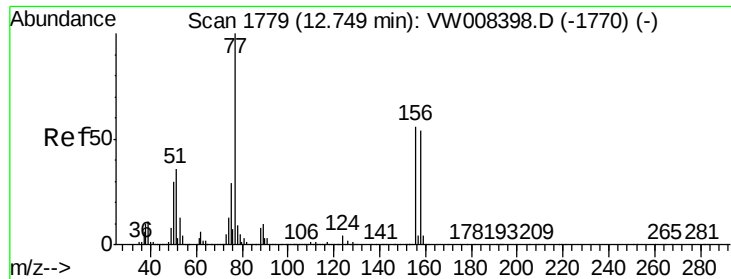
Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Tgt Ion:	75	Resp:	106937
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





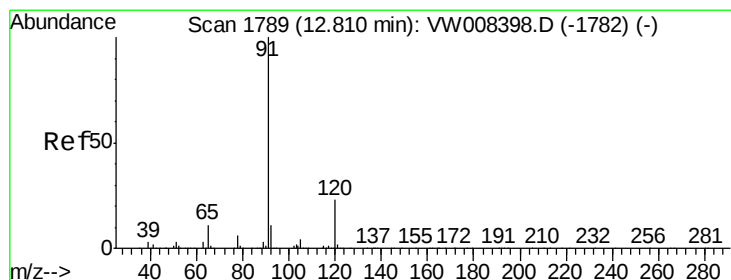
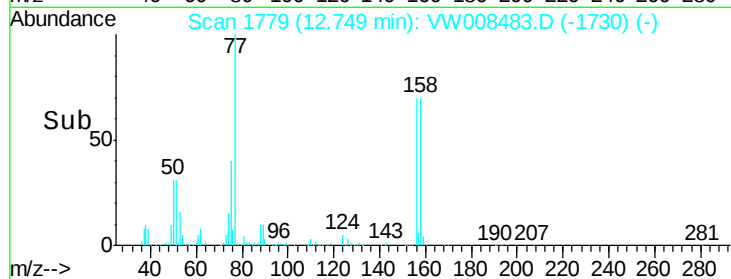
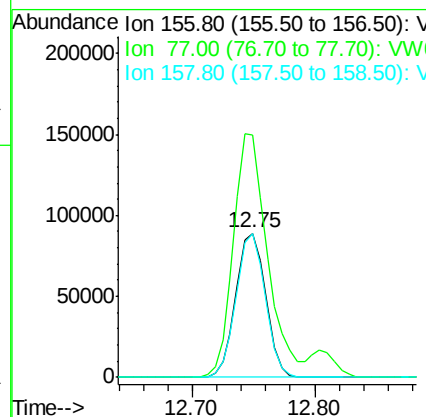
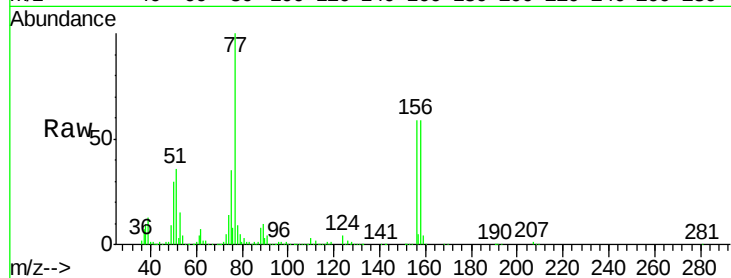
#77
Bromobenzene
Concen: 68.478 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Resp	Lower	Upper
156	100	150136		
77	193.6	96.9	290.7	
158	97.5	48.8	146.4	

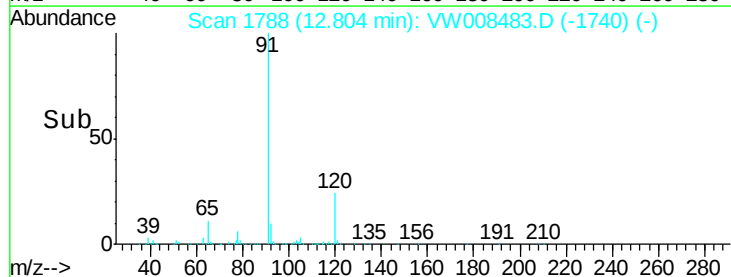
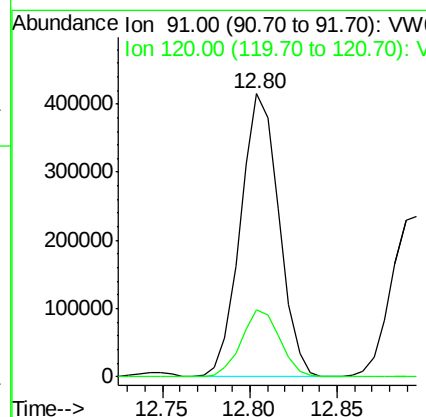
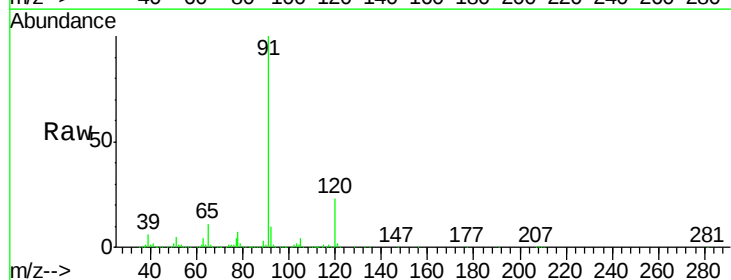
Manual Integrations
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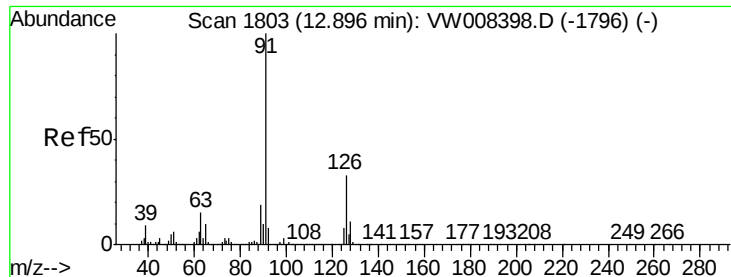
MMDadoda
2/4/2019 4:32:40 PM



#78
n-propylbenzene
Concen: 52.690 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	635318		
120	23.7	11.4	34.1	





#79

2-Chlorotoluene

Concen: 57.313 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion: 91 Resp: 389961

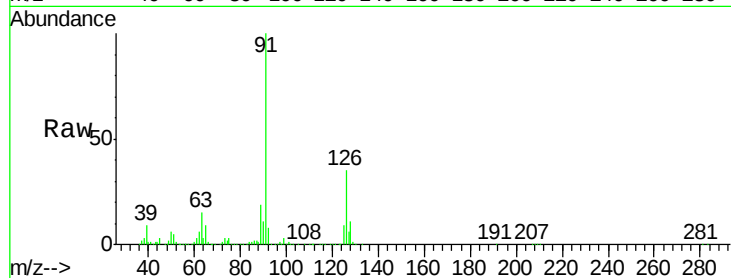
Ion Ratio Lower Upper

91 100

126 34.1 16.5 49.5

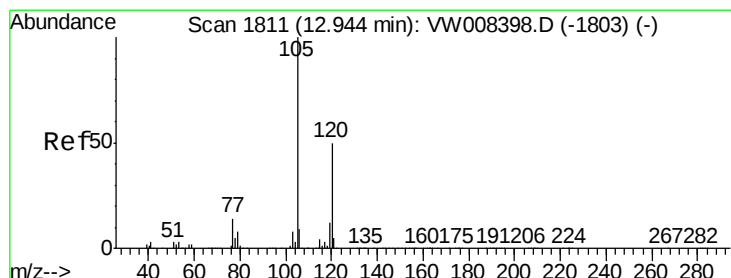
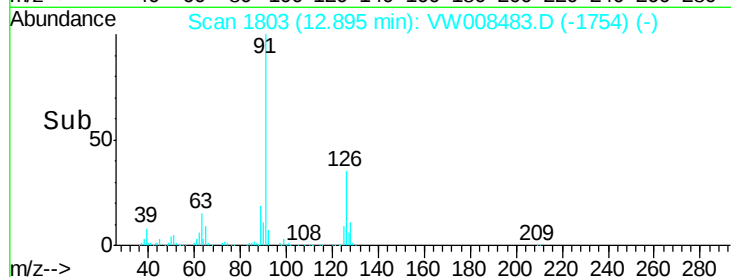
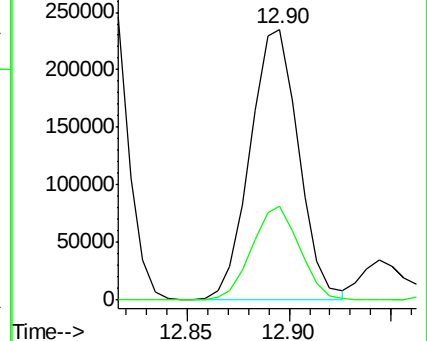
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.773 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008483.D

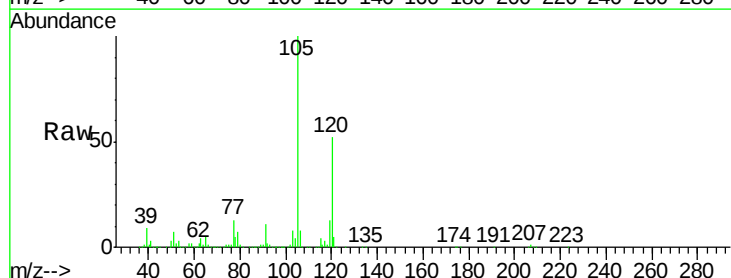
Acq: 01 Feb 2019 15:56

Tgt Ion: 105 Resp: 467998

Ion Ratio Lower Upper

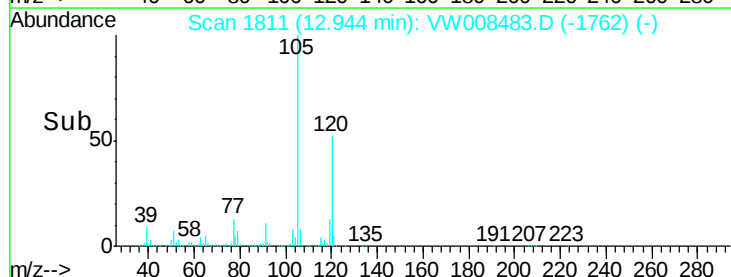
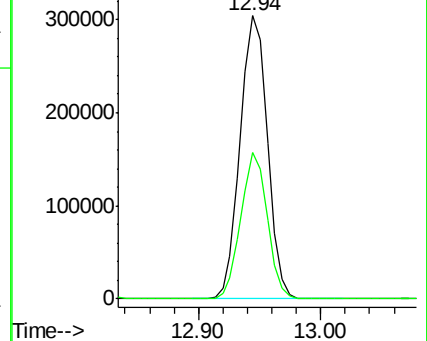
105 100

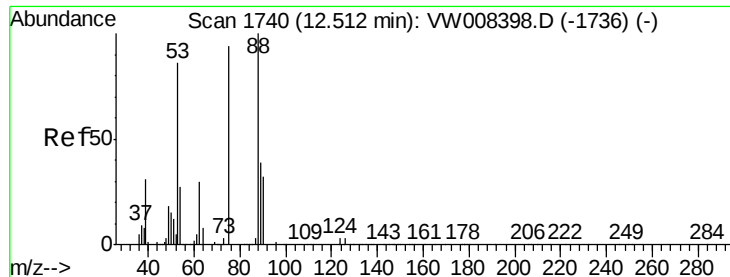
120 49.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





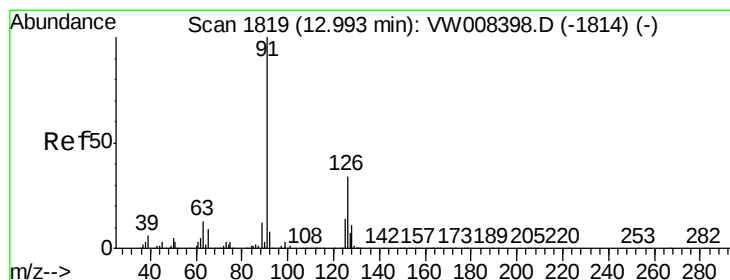
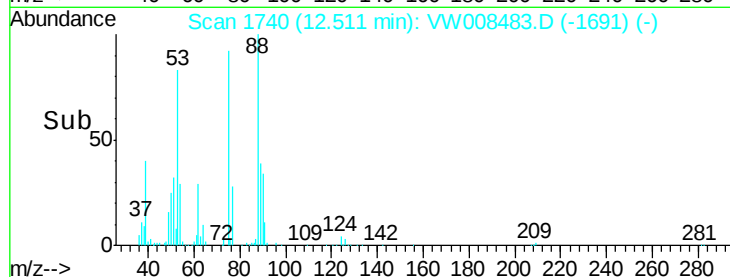
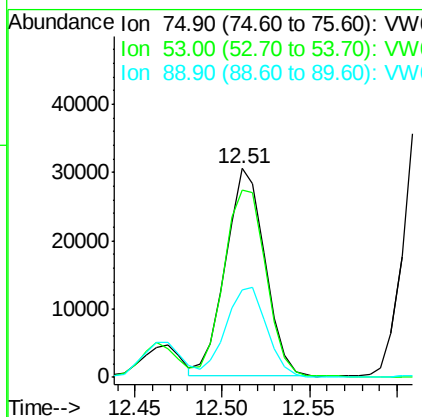
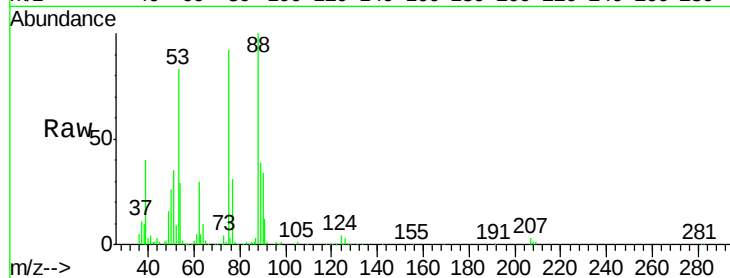
#81
trans-1,4-Dichloro-2-butene
Concen: 80.026 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.8	76.0	114.0
89	45.4	35.4	53.0

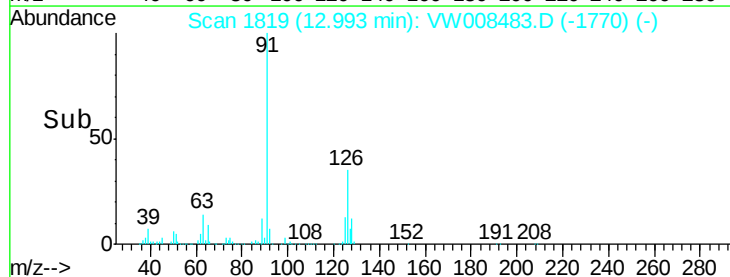
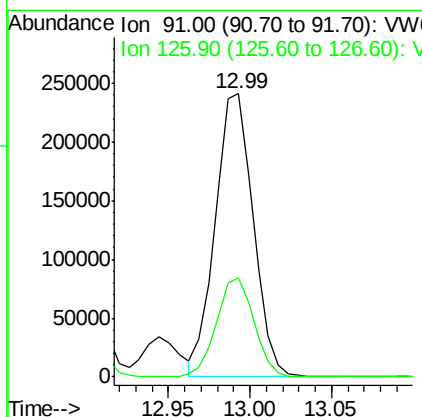
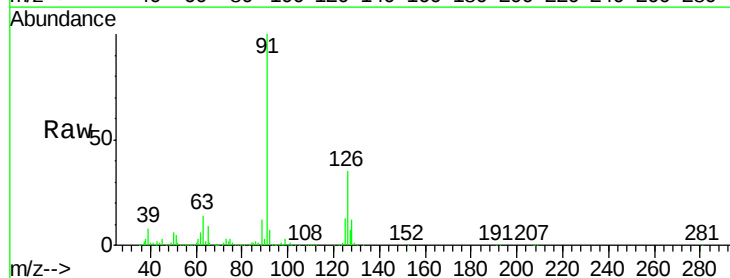
Manual Integrations
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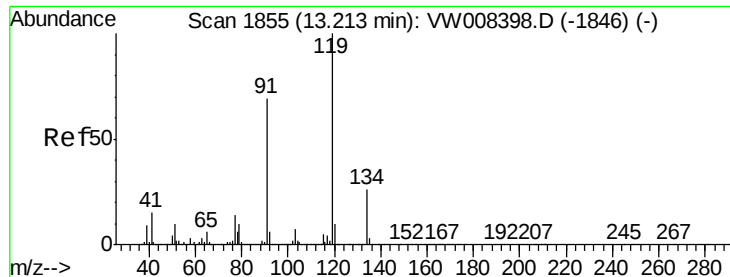
MMDadoda
2/4/2019 4:32:40 PM



#82
4-Chlorotoluene
Concen: 53.898 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.4	49.2





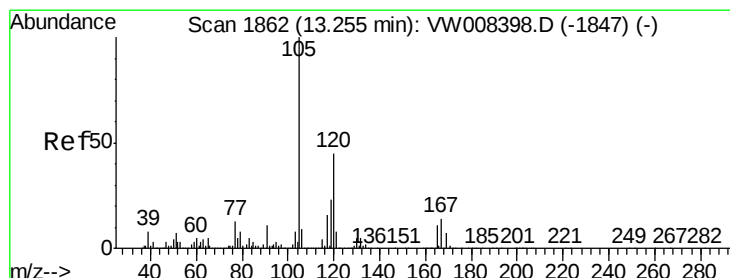
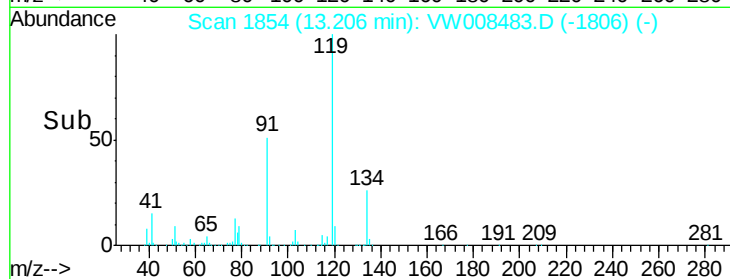
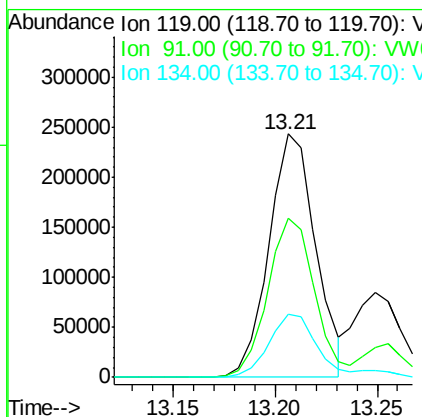
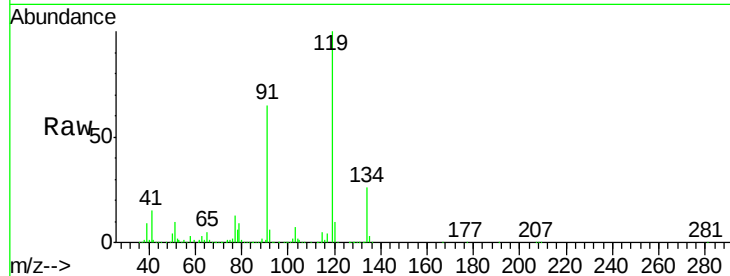
#83
tert-Butylbenzene
Concen: 52.163 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.8	101.4
134	25.9	13.5	40.4

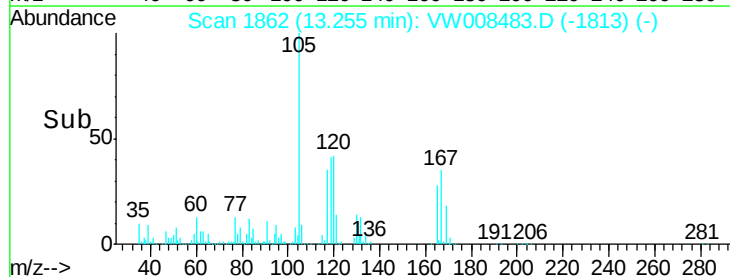
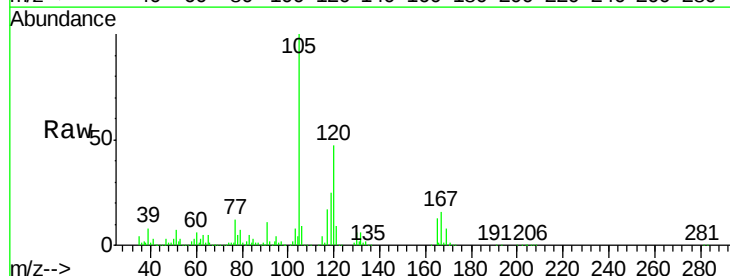
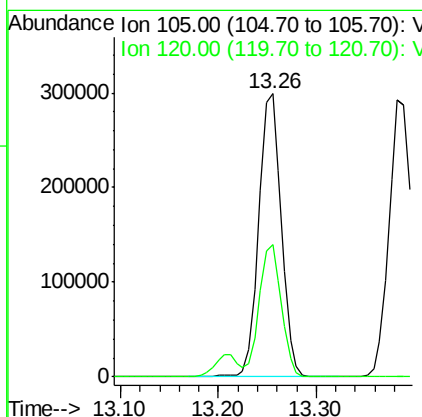
Manual Integrations
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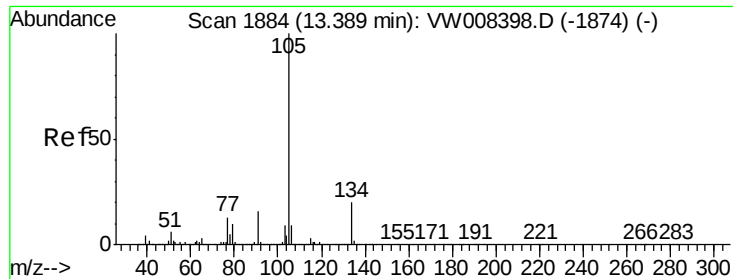
MMDadoda
2/4/2019 4:32:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 55.968 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 43.420 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MSD

Tot Ion:105 Resp: 463029

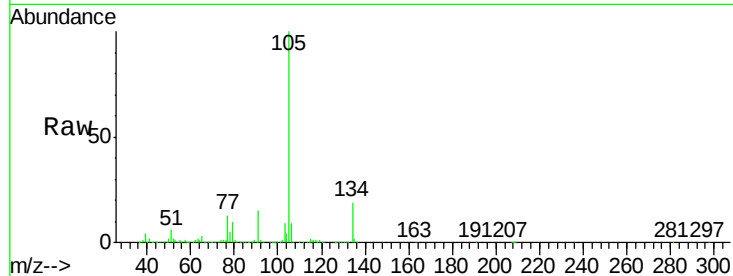
Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:32:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

300000

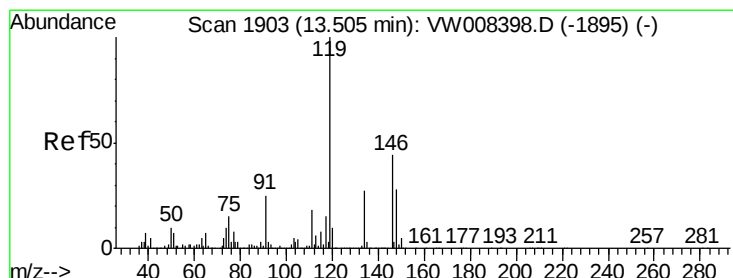
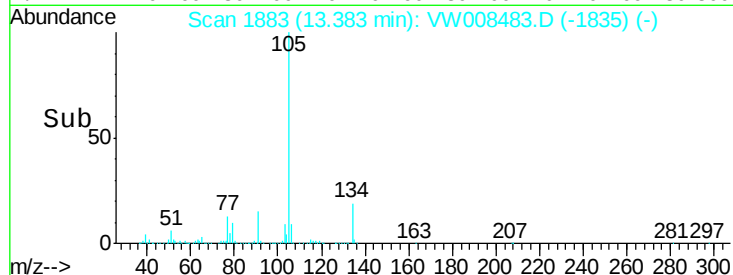
200000

100000

0

13.30 13.40

Time-->



#86

p-Isopropyltoluene

Concen: 45.109 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008483.D

Acq: 01 Feb 2019 15:56

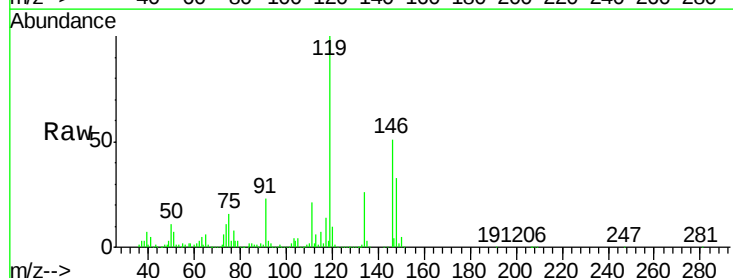
Tgt Ion:119 Resp: 421363

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 23.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

300000

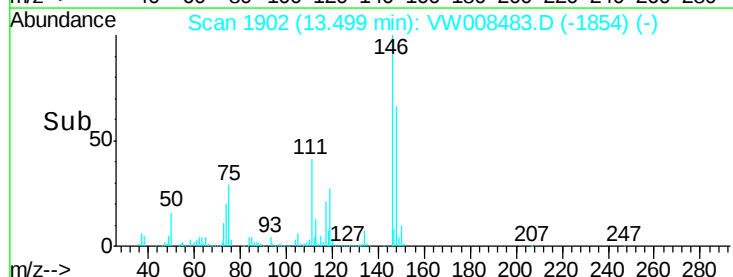
200000

100000

0

13.40 13.50 13.60

Time-->





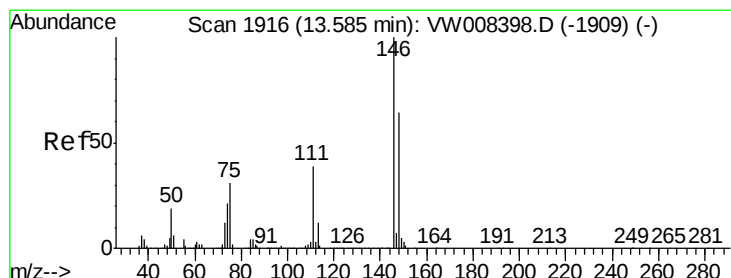
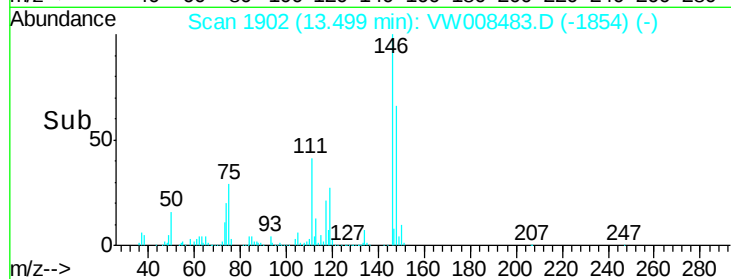
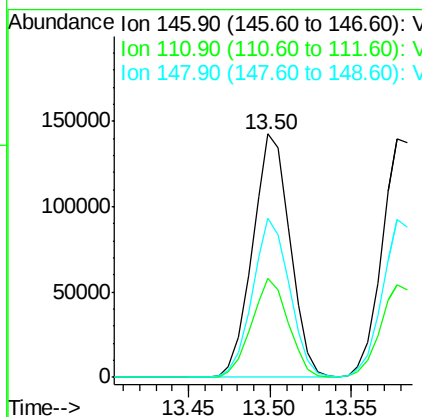
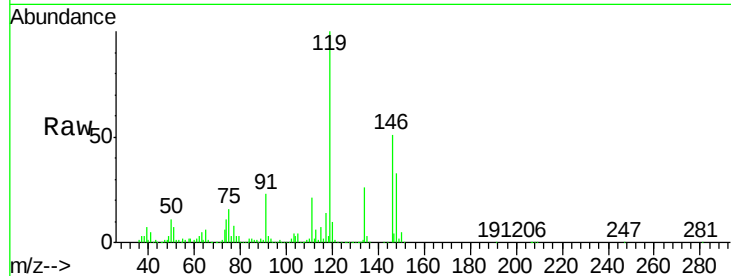
#87
 1,3-Dichlorobenzene
 Concen: 51.600 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	228477		
111	40.0	20.3	60.9	
148	64.2	31.9	95.7	

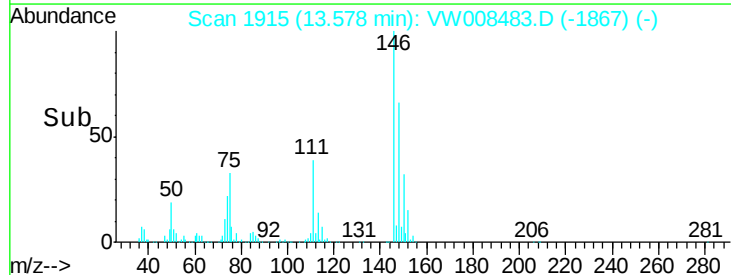
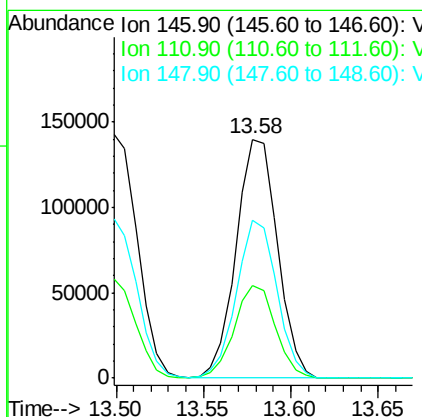
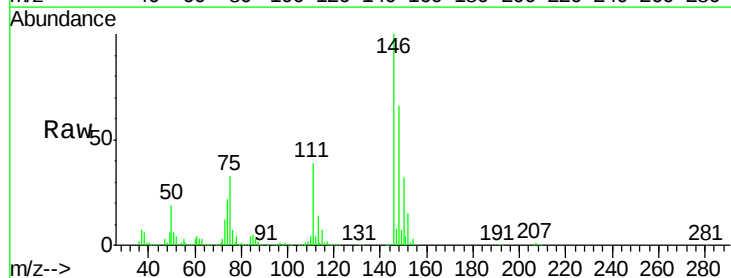
Manual Integrations
 APPROVED

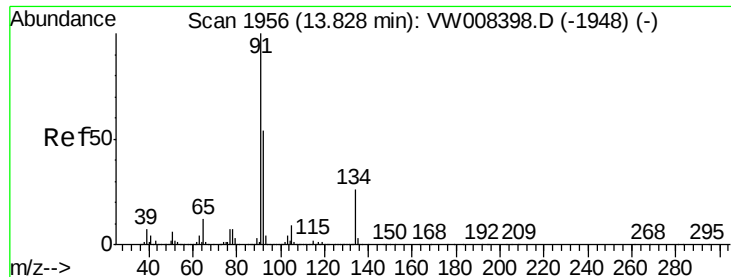
MMDadoda
 2/4/2019 4:32:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.242 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	229886		
111	38.7	20.0	60.0	
148	64.8	32.0	96.2	





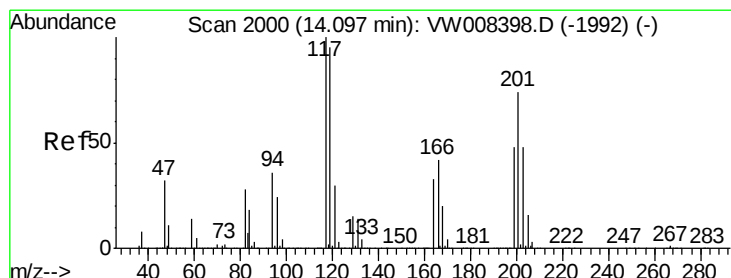
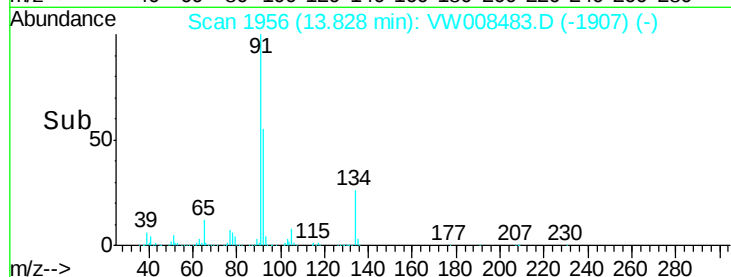
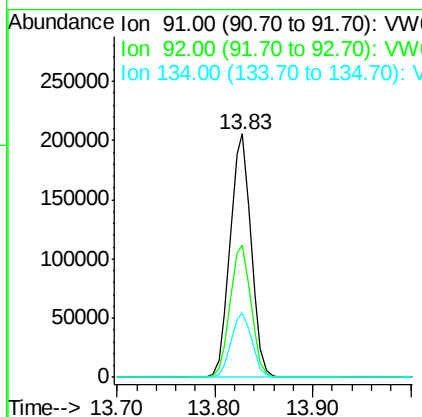
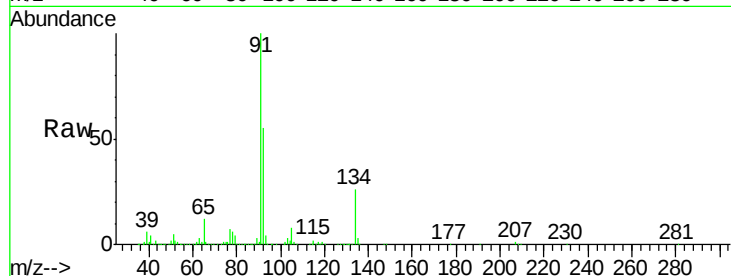
#89
n-Butylbenzene
Concen: 33.300 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.4	82.2
134	26.6	13.0	39.0

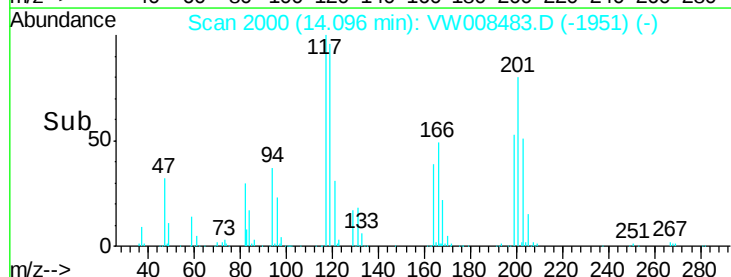
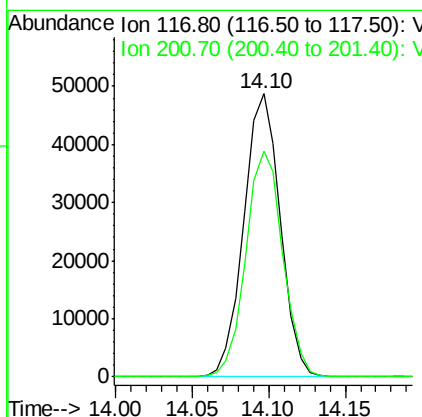
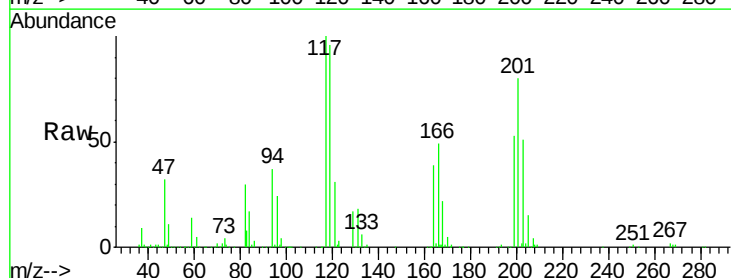
Manual Integrations
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2/4/2019 4:32:40 PM



#90
Hexachloroethane
Concen: 44.213 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	39.1	117.5





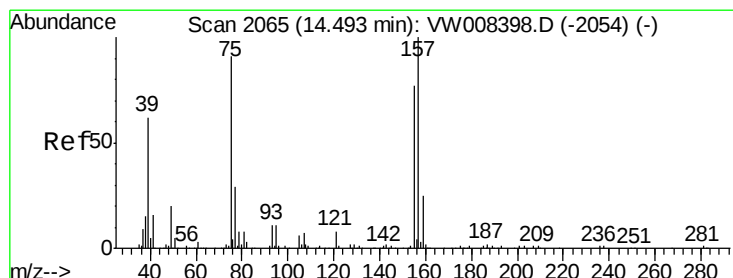
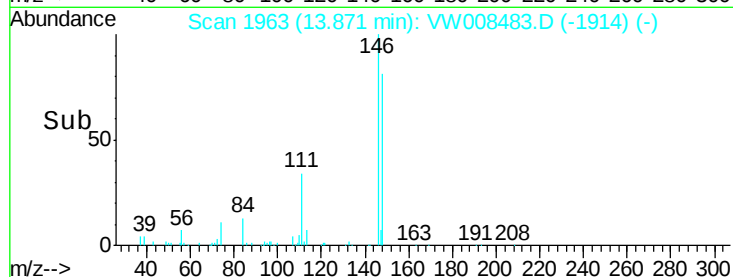
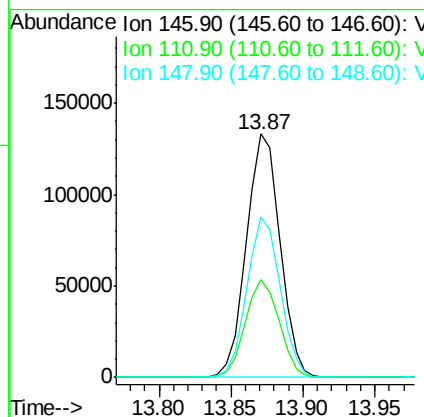
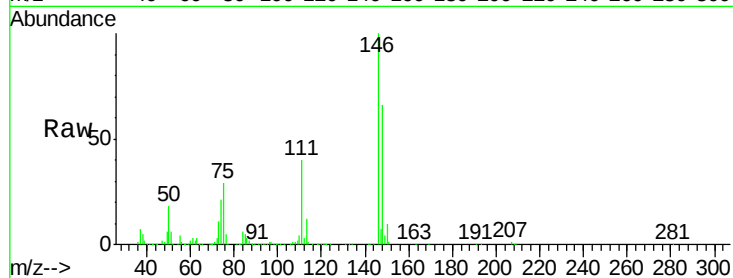
#91
 1,2-Dichlorobenzene
 Concen: 54.755 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.3
148	65.4	31.9	95.5

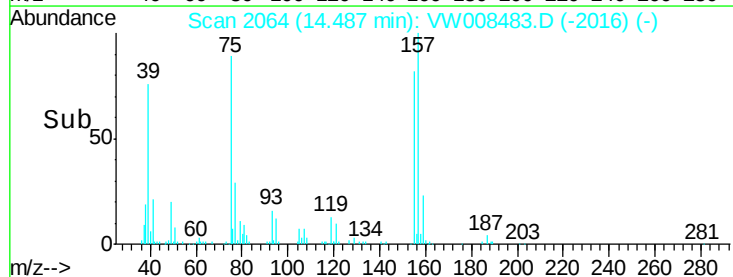
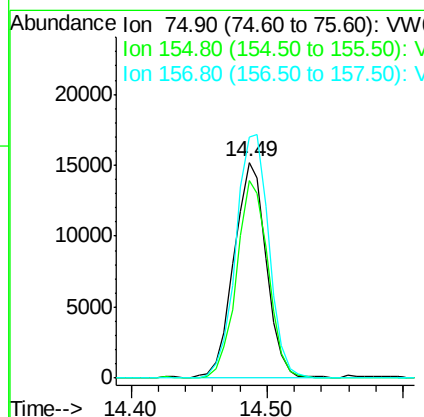
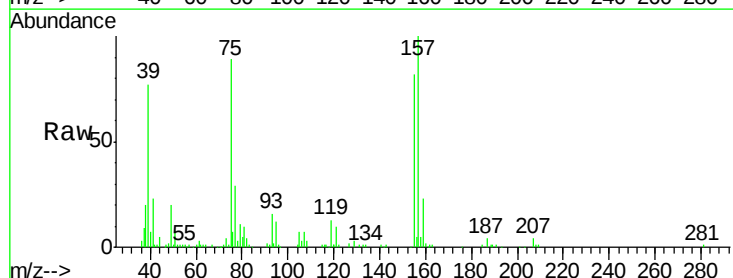
Manual Integrations
 APPROVED

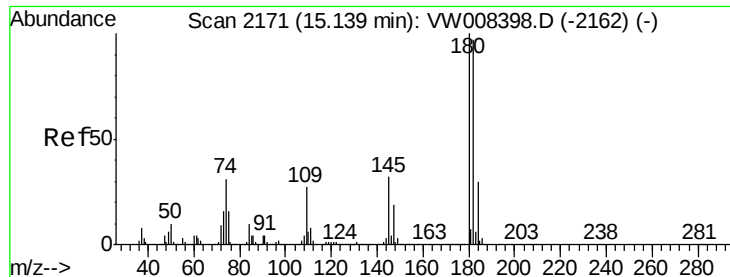
MMDadoda
 2/4/2019 4:32:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.592 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	42.7	128.1
157	114.9	55.5	166.3





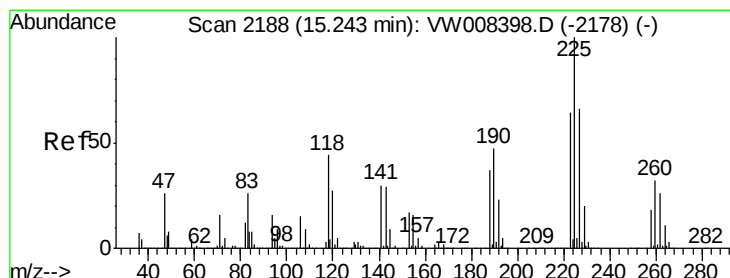
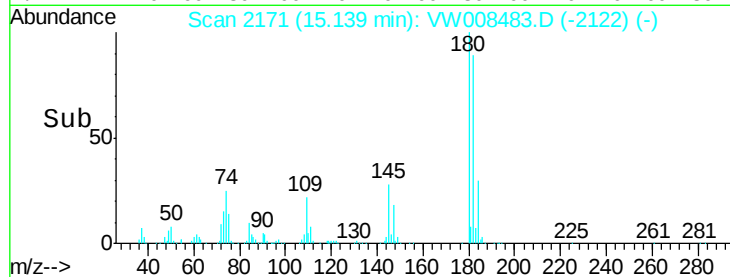
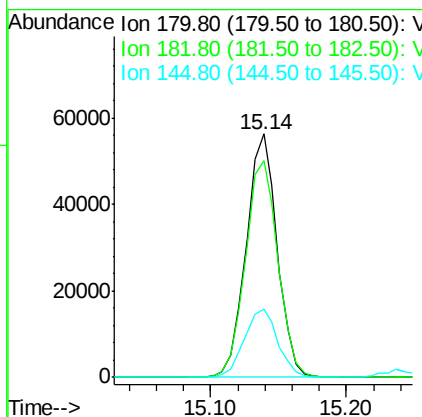
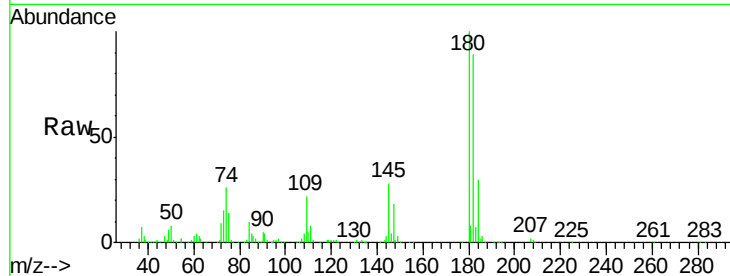
#93
 1,2,4-Trichlorobenzene
 Concen: 32.070 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.4	47.9	143.7	
145	30.4	15.5	46.5	

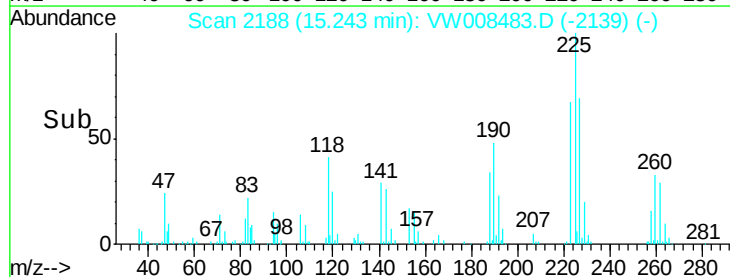
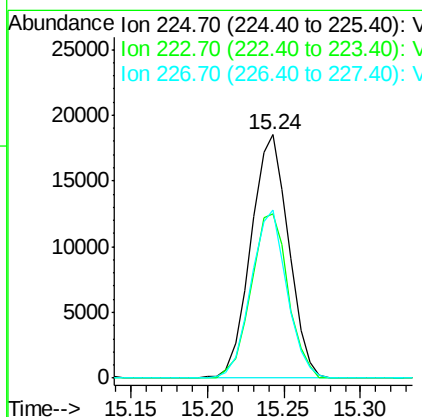
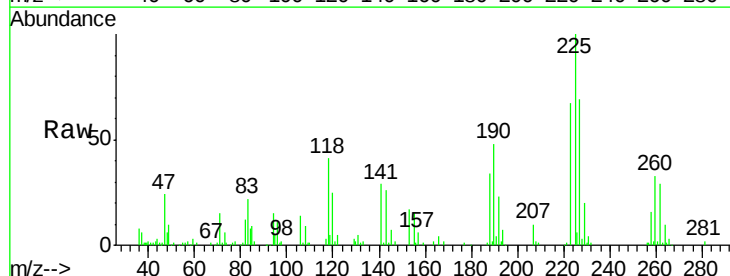
Manual Integrations
 APPROVED

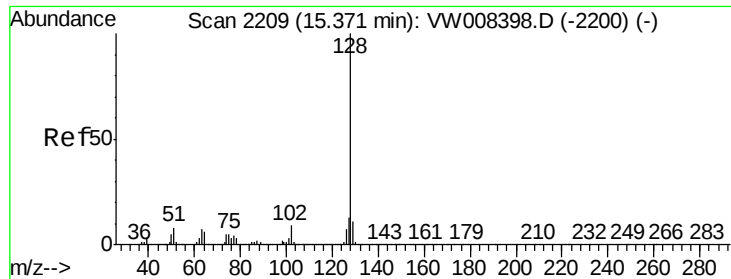
MMDadoda
 2/4/2019 4:32:40 PM



#94
 Hexachlorobutadiene
 Concen: 18.783 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008483.D
 Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.6	31.7	95.1	
227	65.9	32.1	96.3	





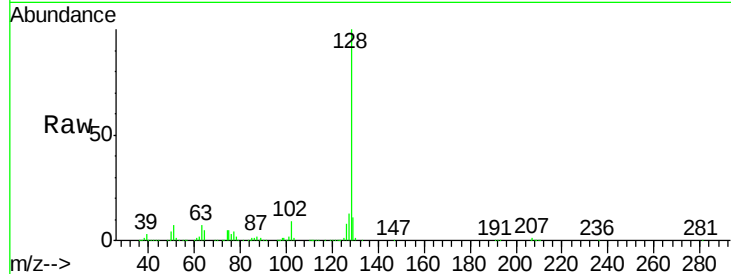
#95
Naphthalene
Concen: 52.302 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MSD

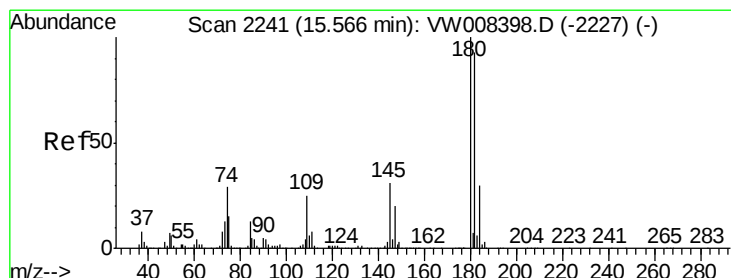
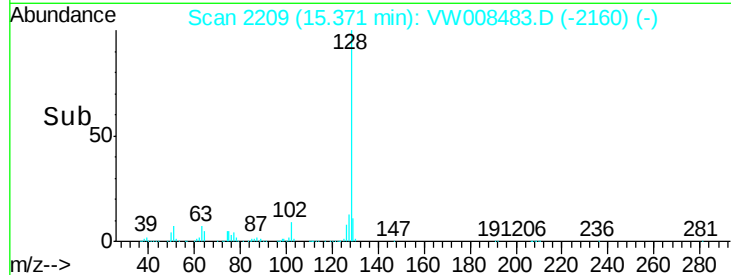
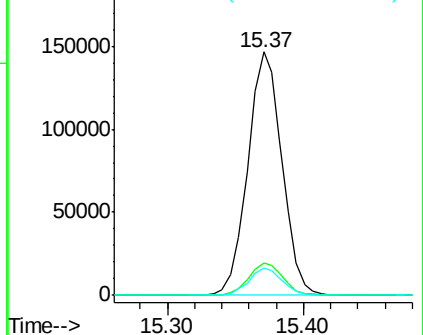
Tot Ion	Ratio	Resp	Lower	Upper
128	100	256756		
127	13.5	10.6	15.8	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:32:40 PM

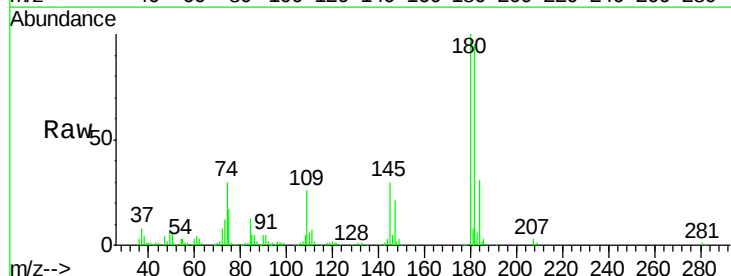


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 31.804 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008483.D
Acq: 01 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75428		
182	95.9	47.0	141.2	
145	32.0	15.9	47.6	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

