

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021419\
 Data File : VW008662.D
 Acq On : 14 Feb 2019 13:26
 Operator : SY/VA
 Sample : VW0214SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:10:50 AM

Quant Time: Feb 15 03:20:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	401846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	605826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	538123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	278082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	208718	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.88	113	196922	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.32	98	756248	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	278060	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	54863	21.316	ug/l	97
3) Chloromethane	2.21	50	72028	19.413	ug/l	100
4) Vinyl Chloride	2.37	62	94552	19.400	ug/l	98
5) Bromomethane	2.78	94	80709	20.928	ug/l	98
6) Chloroethane	2.92	64	74809	20.628	ug/l	100
7) Trichlorofluoromethane	3.25	101	72045	18.979	ug/l	93
8) Diethyl Ether	3.67	74	45714	20.181	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	83389	20.787	ug/l	98
10) Methyl Iodide	4.27	142	127977	20.440	ug/l	100
11) Tert butyl alcohol	5.18	59	29416	88.004	ug/l	100
12) 1,1-Dichloroethene	4.03	96	80903	20.622	ug/l	93
13) Acrolein	3.88	56	30900	89.726	ug/l	97
14) Allyl chloride	4.66	41	135318	20.761	ug/l	98
15) Acrylonitrile	5.36	53	94594	99.211	ug/l	98
16) Acetone	4.12	43	91198	95.930	ug/l	92
17) Carbon Disulfide	4.37	76	243336	20.554	ug/l	97
18) Methyl Acetate	4.66	43	39808	18.325	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	143827	20.884	ug/l	100
20) Methylene Chloride	4.90	84	94266	17.854	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	88782	20.665	ug/l	93
22) Diisopropyl ether	6.31	45	268247	20.448	ug/l	97
23) Vinyl Acetate	6.25	43	839600	98.613	ug/l	100
24) 1,1-Dichloroethane	6.21	63	157980	20.870	ug/l	99
25) 2-Butanone	7.17	43	127543	95.011	ug/l	94
26) 2,2-Dichloropropane	7.16	77	99114	20.959	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	97241	20.931	ug/l	98
28) Bromochloromethane	7.51	49	66920	20.942	ug/l	99
29) Tetrahydrofuran	7.53	42	83845	94.762	ug/l	98
30) Chloroform	7.67	83	157526	20.768	ug/l	96
31) Cyclohexane	7.95	56	156428	20.473	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	137978	21.539	ug/l	97
36) 1,1-Dichloropropene	8.08	75	128458	21.105	ug/l	100
37) Ethyl Acetate	7.25	43	59751	20.351	ug/l	99
38) Carbon Tetrachloride	8.06	117	125268	20.697	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	161681	21.002	ug/l	98
40) Benzene	8.32	78	351873	21.168	ug/l	97
41) Methacrylonitrile	7.48	41	34128	20.659	ug/l	96
42) 1,2-Dichloroethane	8.40	62	107212	20.793	ug/l	100
43) Isopropyl Acetate	8.43	43	113555	19.396	ug/l	97
44) Trichloroethene	9.09	130	97171	21.083	ug/l	96
45) 1,2-Dichloropropane	9.37	63	85659	20.822	ug/l	95
46) Dibromomethane	9.46	93	47045	20.759	ug/l	98
47) Bromodichloromethane	9.64	83	112109	20.584	ug/l	98
48) Methyl methacrylate	9.44	41	52499	19.349	ug/l	97
49) 1,4-Dioxane	9.45	88	13072	361.366	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	288038	95.776	ug/l	100
52) Toluene	10.38	92	221802	20.683	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	114824	20.068	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	132445	20.420	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	64506	20.745	ug/l	99
56) Ethyl methacrylate	10.65	69	78900	19.109	ug/l	99
57) 1,3-Dichloropropane	10.93	76	113732	20.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	223473	112.825	ug/l	99
59) 2-Hexanone	10.97	43	202801	95.991	ug/l	99
60) Dibromochloromethane	11.13	129	74523	20.030	ug/l	99
61) 1,2-Dibromoethane	11.23	107	62723	20.487	ug/l	100
64) Tetrachloroethene	10.86	164	84133	21.024	ug/l	96
65) Chlorobenzene	11.66	112	248316	21.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	83738	20.380	ug/l	98
67) Ethyl Benzene	11.73	91	433884	21.001	ug/l	98
68) m/p-Xylenes	11.84	106	334928	41.664	ug/l	100
69) o-Xylene	12.16	106	156910	20.650	ug/l	99
70) Styrene	12.18	104	247889	19.973	ug/l	98
71) Bromoform	12.35	173	42403	19.153	ug/l #	98
73) Isopropylbenzene	12.46	105	439153	21.201	ug/l	100
74) N-amyl acetate	12.27	43	107587	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	75304	20.895	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	53086m	19.333	ug/l	
77) Bromobenzene	12.75	156	101413	21.299	ug/l	97
78) n-propylbenzene	12.80	91	528814	21.486	ug/l	100
79) 2-Chlorotoluene	12.89	91	292972	21.062	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	359500	20.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	20780	18.364	ug/l	96
82) 4-Chlorotoluene	12.99	91	304126	20.631	ug/l	99
83) tert-Butylbenzene	13.21	119	314969	21.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	370848	20.972	ug/l	100
85) sec-Butylbenzene	13.38	105	463290	21.298	ug/l	99
86) p-Isopropyltoluene	13.50	119	406723	20.900	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	201511	20.877	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	200870	21.116	ug/l	98
89) n-Butylbenzene	13.83	91	388541	21.011	ug/l	99
90) Hexachloroethane	14.10	117	70560	20.754	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	179714	21.015	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12218	19.509	ug/l	99

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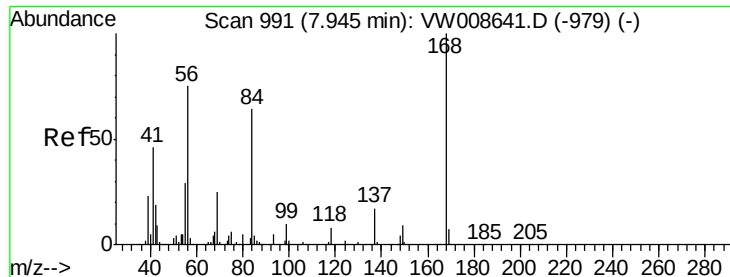
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	133253	21.889	ug/l	97
94) Hexachlorobutadiene	15.24	225	78444	22.137	ug/l	97
95) Naphthalene	15.37	128	222593	20.404	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	113786	21.782	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

Tot Ion:168 Resp: 401846

Ion Ratio Lower Upper

168 100

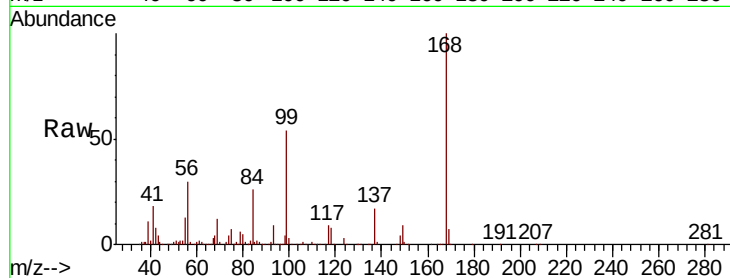
99 53.6 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

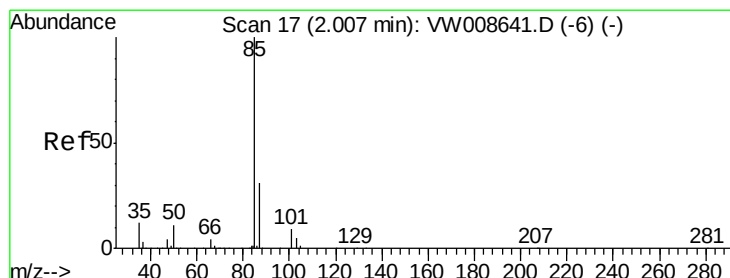
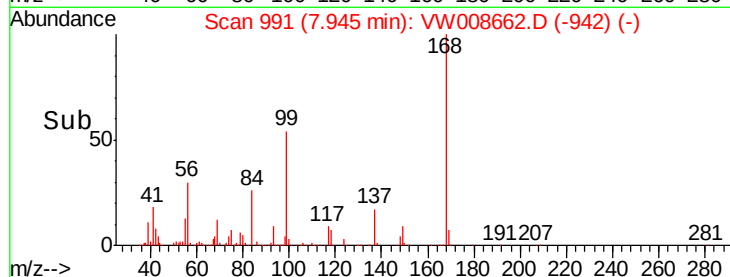
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.316 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW008662.D

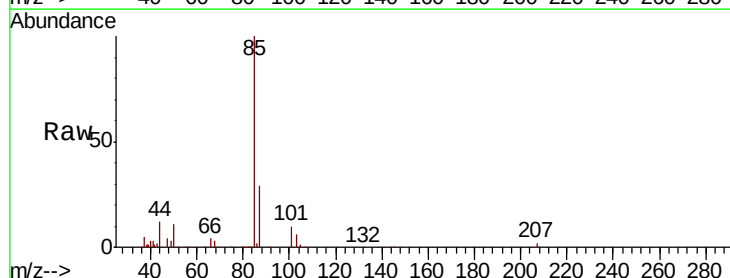
Acq: 14 Feb 2019 13:26

Tgt Ion: 85 Resp: 54863

Ion Ratio Lower Upper

85 100

87 29.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

10000

5000

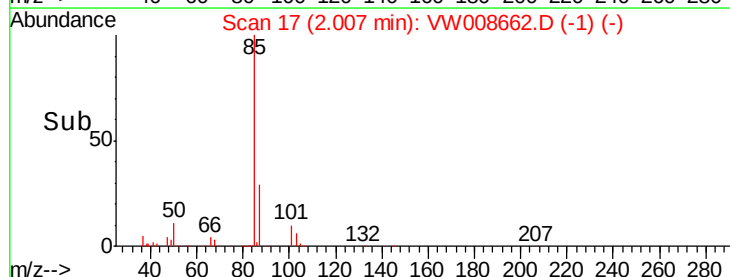
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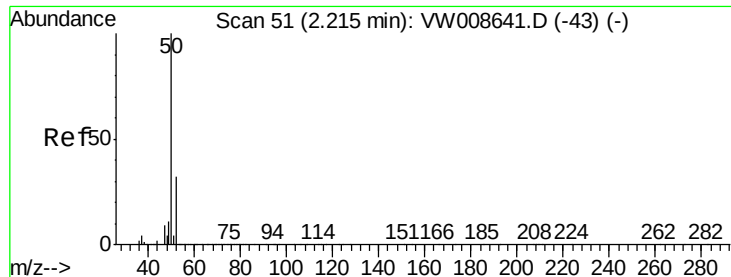
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 19.413 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

Tot Ion: 50 Resp: 72028

Ion Ratio Lower Upper

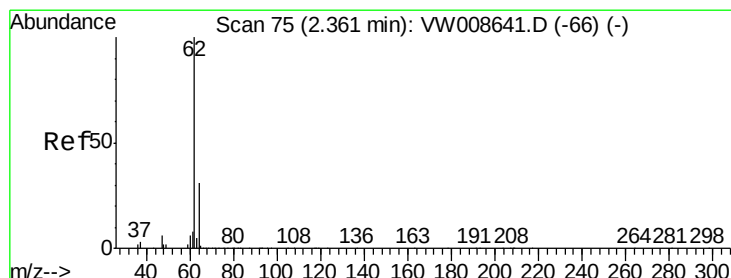
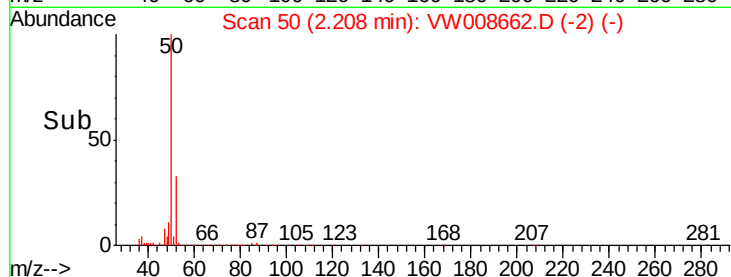
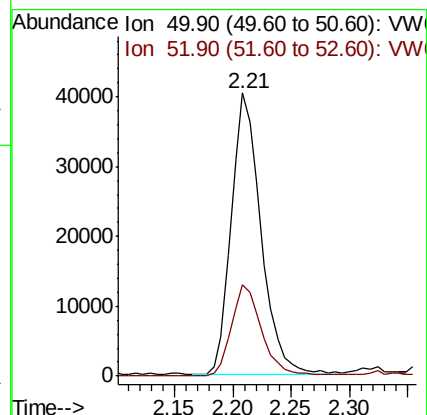
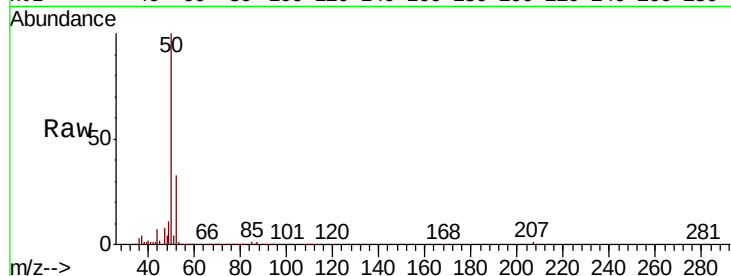
50 100

52 32.6 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.400 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008662.D

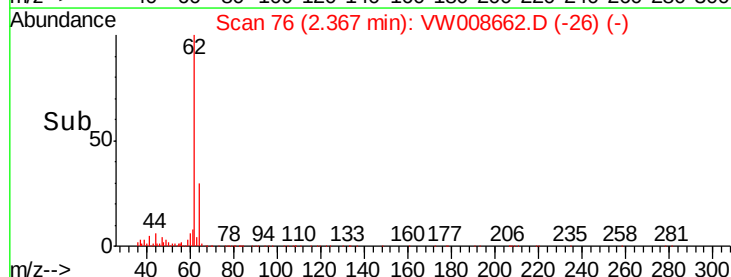
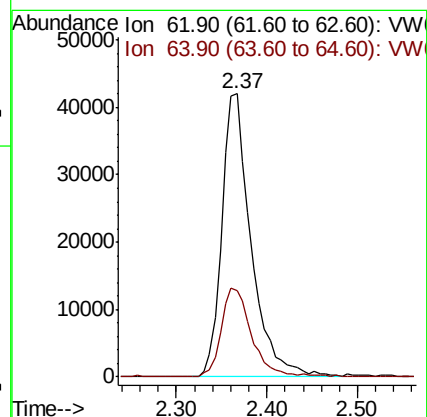
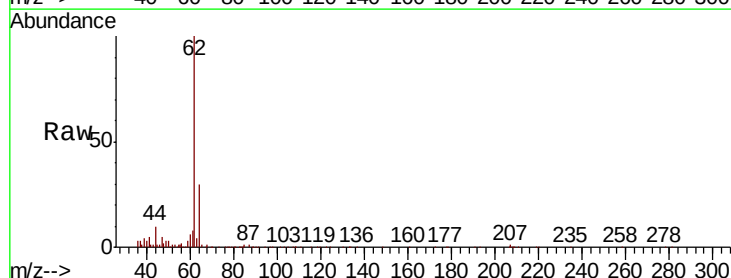
Acq: 14 Feb 2019 13:26

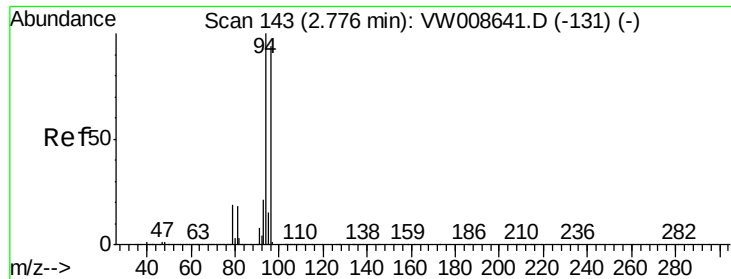
Tgt Ion: 62 Resp: 94552

Ion Ratio Lower Upper

62 100

64 30.3 25.1 37.7





#5

Bromomethane

Concen: 20.928 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

Tot Ion: 94 Resp: 80709

Ion Ratio Lower Upper

94 100

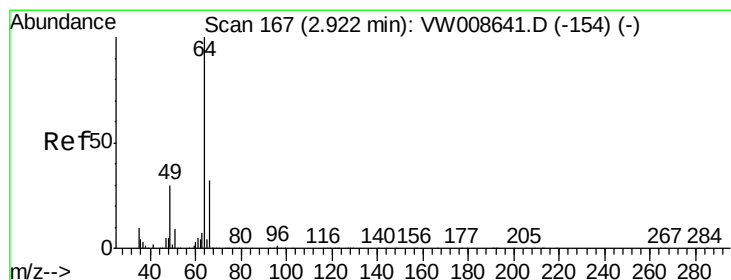
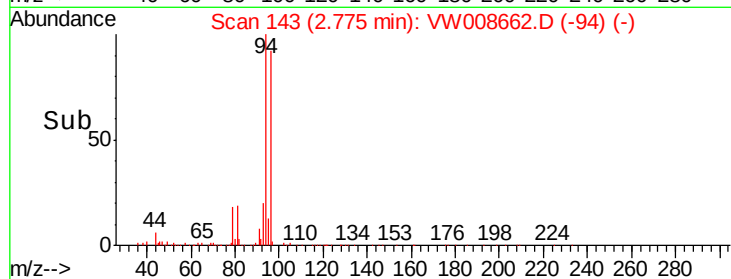
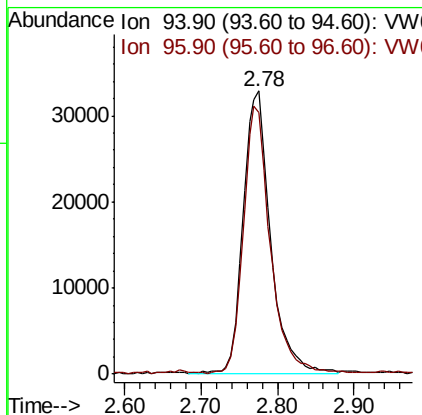
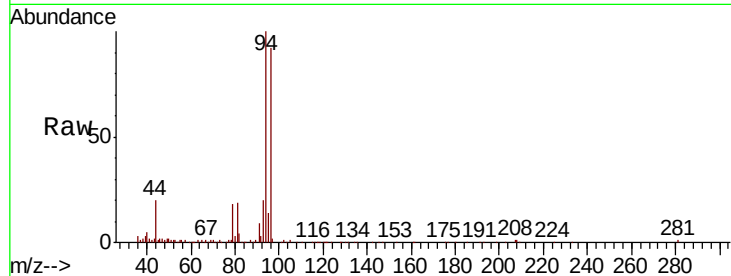
96 92.2 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 20.628 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008662.D

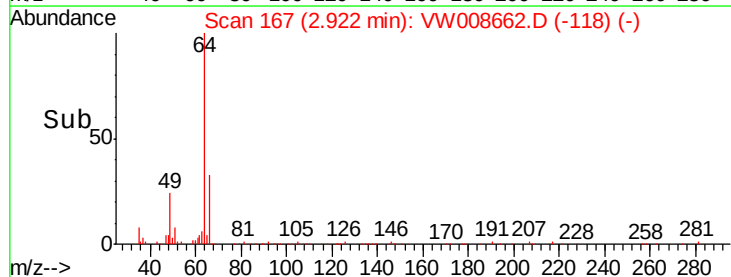
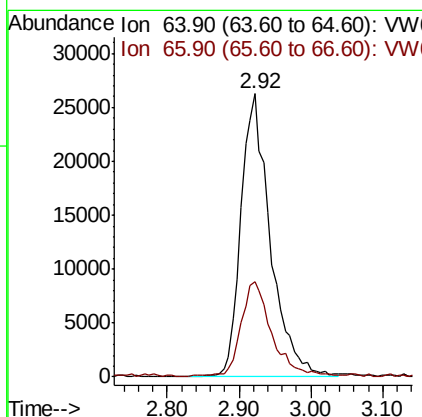
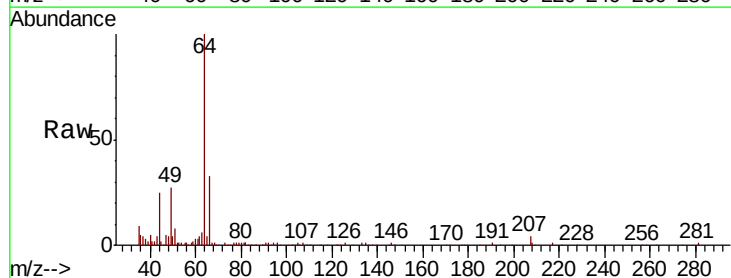
Acq: 14 Feb 2019 13:26

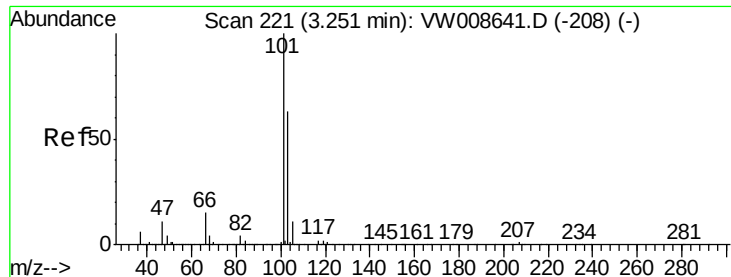
Tgt Ion: 64 Resp: 74809

Ion Ratio Lower Upper

64 100

66 33.1 26.2 39.4





#7

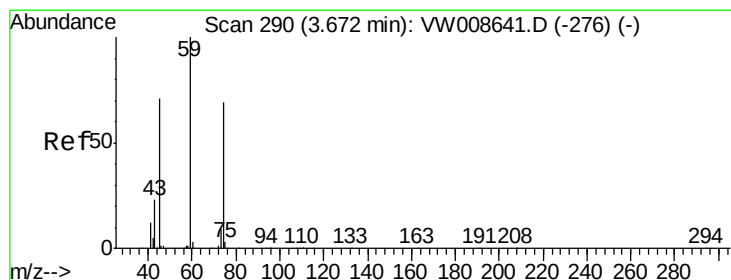
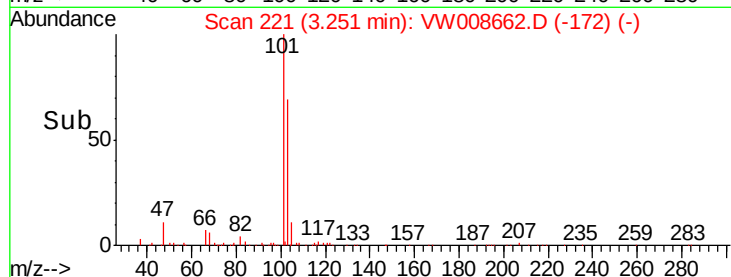
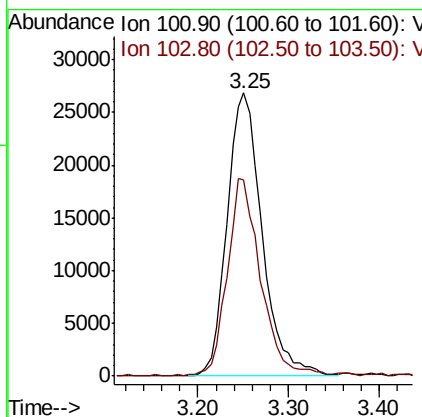
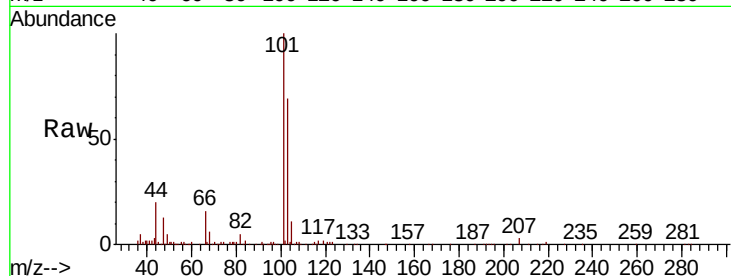
Trichlorofluoromethane
Concen: 18.979 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
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ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	50.5	75.7

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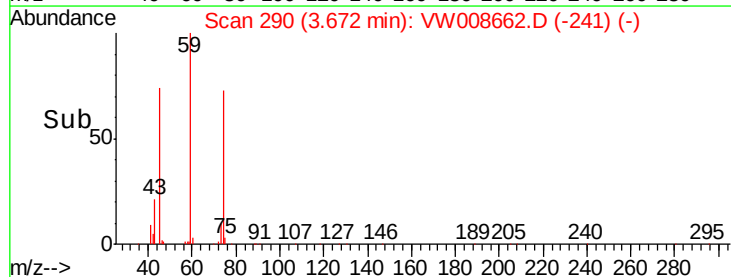
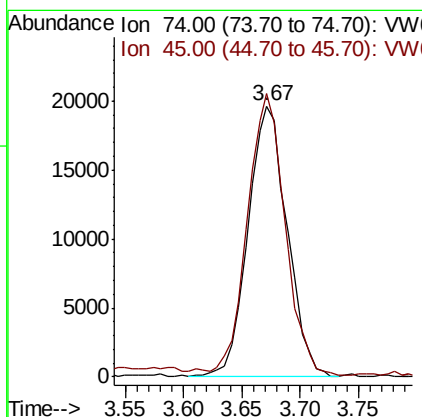
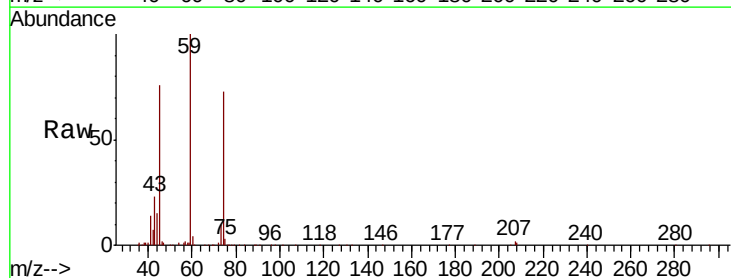
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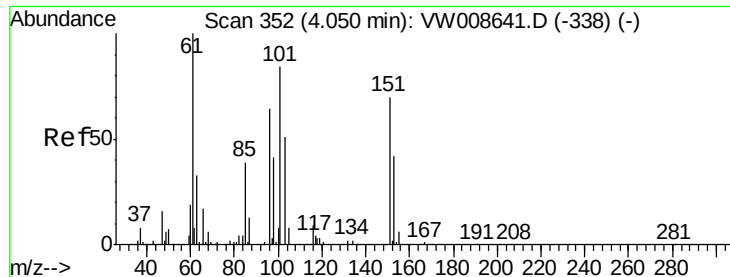


#8

Diethyl Ether
Concen: 20.181 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.787 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

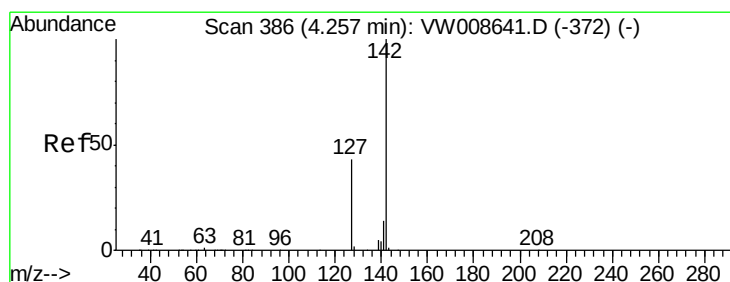
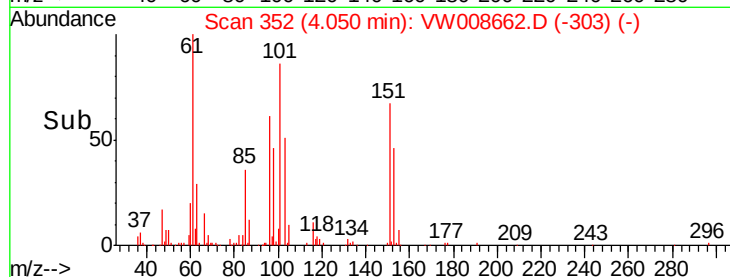
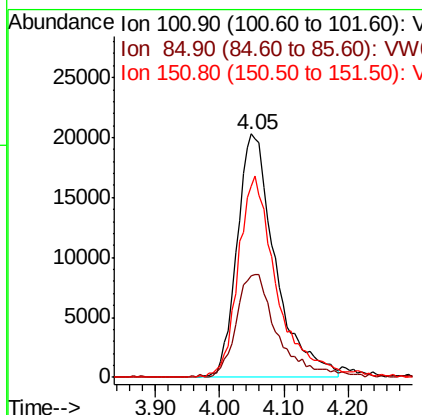
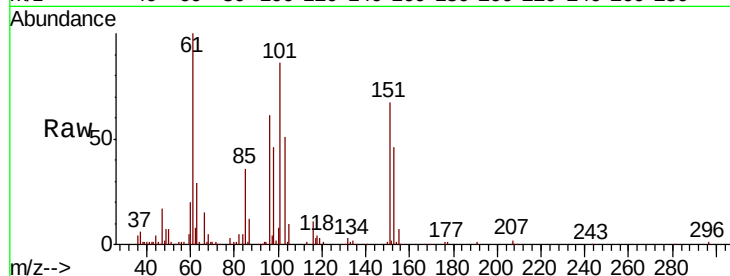
ClientSampleID :

VW0214SBS01

Tot Ion:	101	Resp:	83389
Ion Ratio	Lower	Upper	
101	100		
85	45.8	34.3	51.5
151	82.8	65.6	98.4

Manual Integrations
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2/18/2019 12:10:50 AM



#10

Methyl Iodide

Concen: 20.440 ug/l

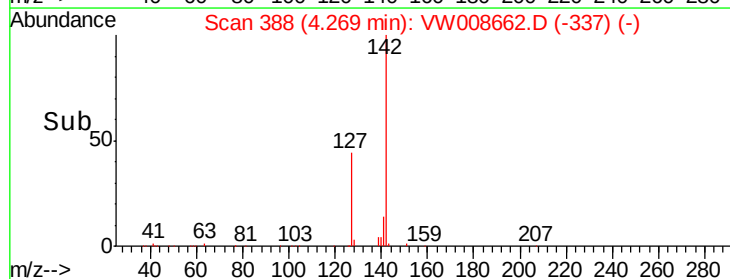
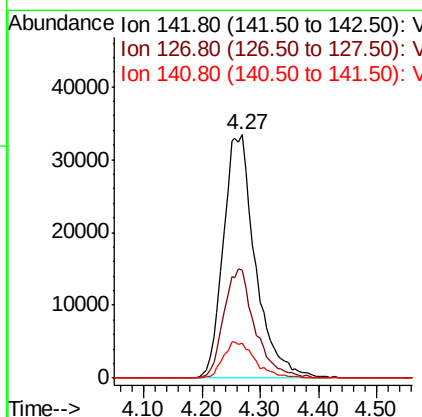
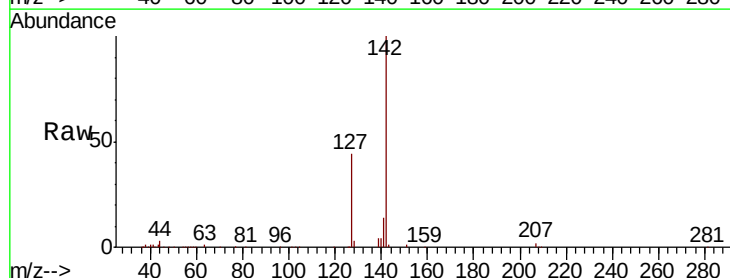
RT: 4.27 min Scan# 388

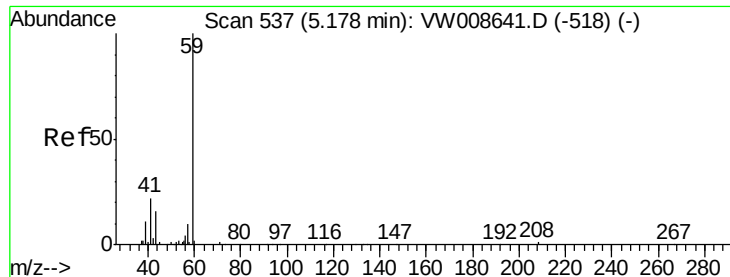
Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion:	142	Resp:	127977
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.8	52.2
141	14.6	11.8	17.8





#11

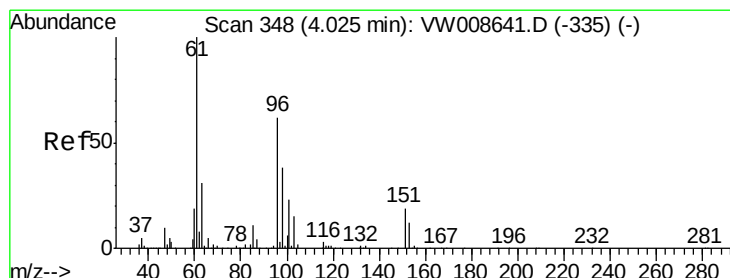
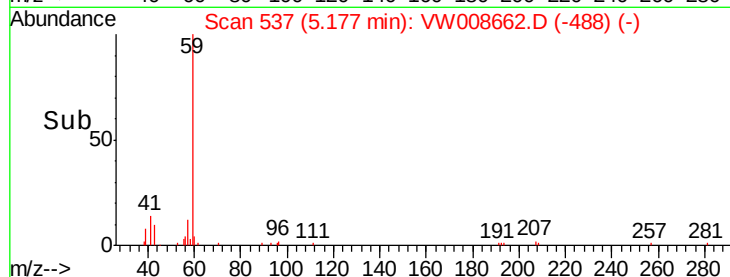
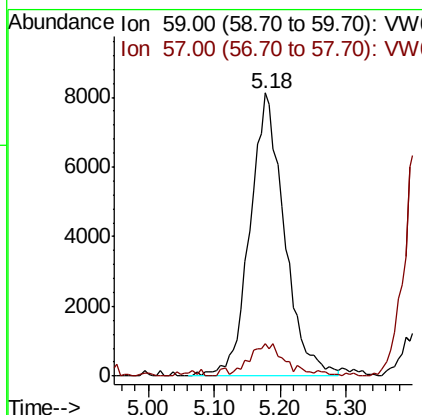
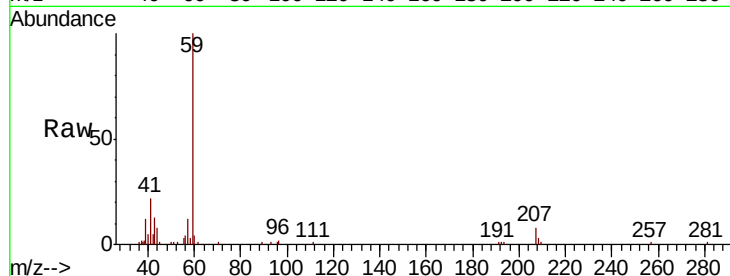
Tert butyl alcohol
 Concen: 88.004 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
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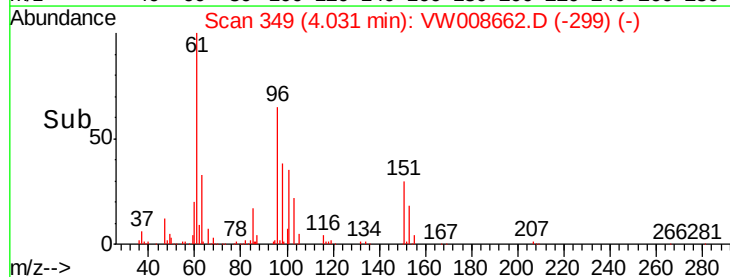
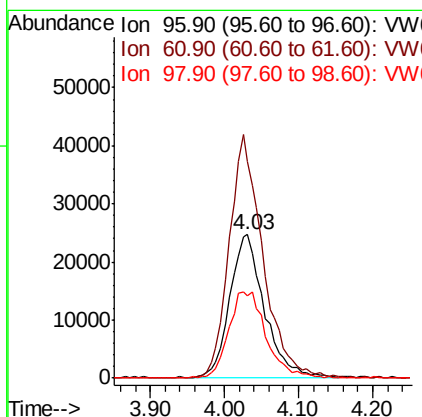
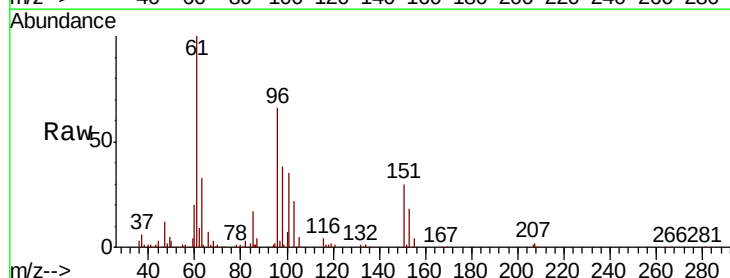
MMDadoda
 2/18/2019 12:10:50 AM

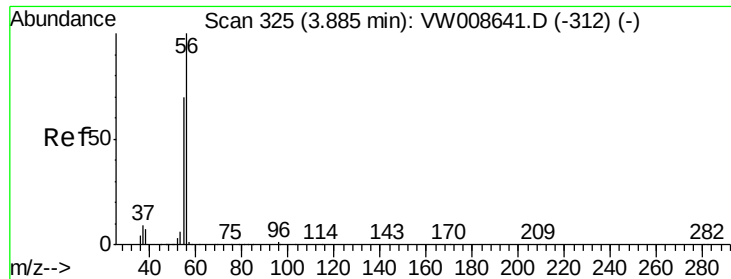


#12

1,1-Dichloroethene
 Concen: 20.622 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.01 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	129.8	194.6
98	57.5	49.3	73.9





#13

Acrolein

Concen: 89.726 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

Tot Ion: 56 Resp: 30900

Ion Ratio Lower Upper

56 100

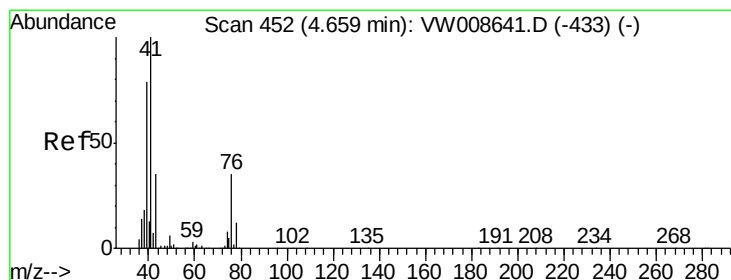
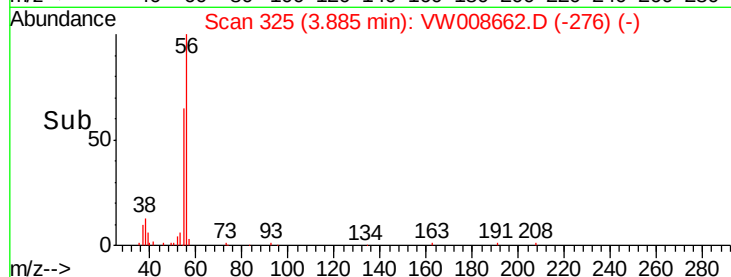
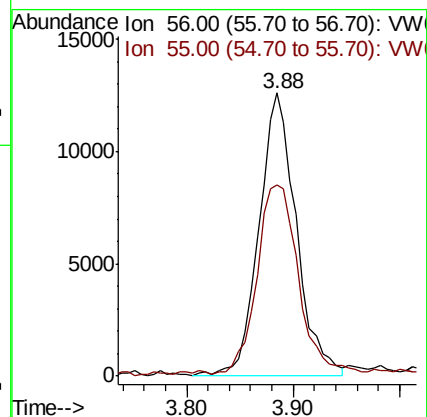
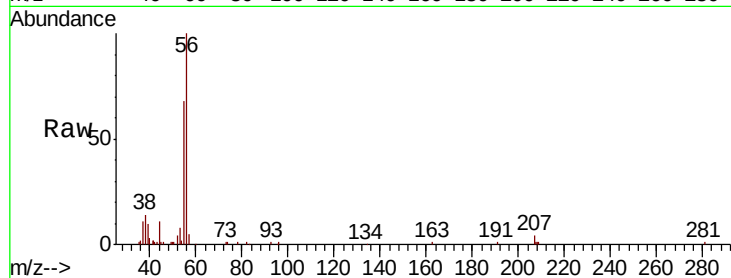
55 73.9 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.761 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

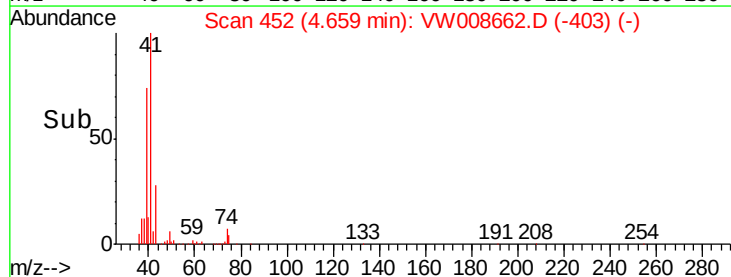
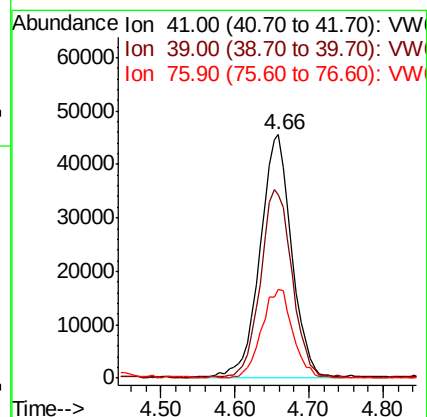
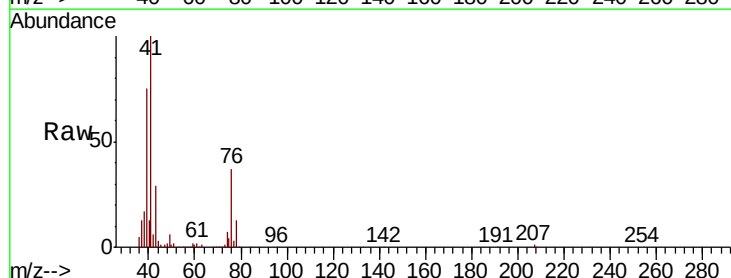
Tgt Ion: 41 Resp: 135318

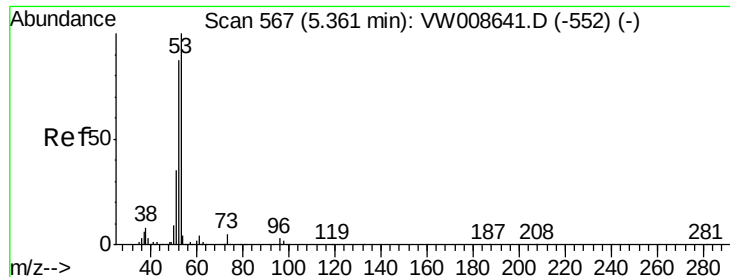
Ion Ratio Lower Upper

41 100

39 78.3 61.7 92.5

76 36.1 27.7 41.5





#15

Acrylonitrile

Concen: 99.211 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

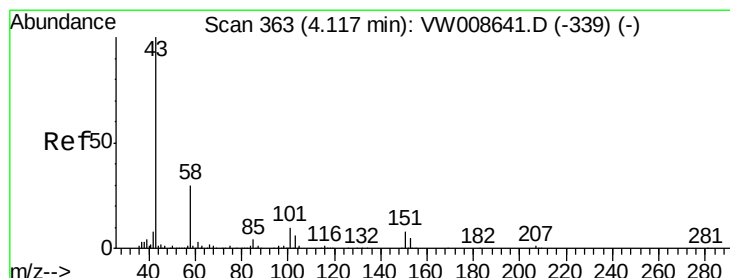
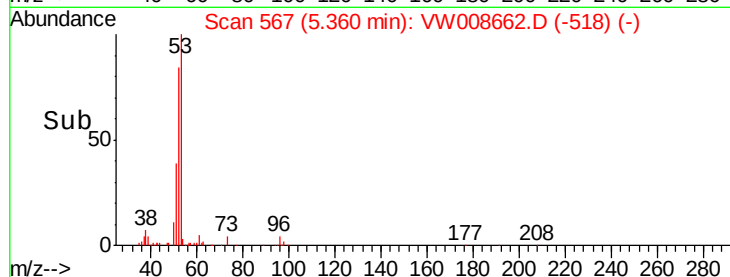
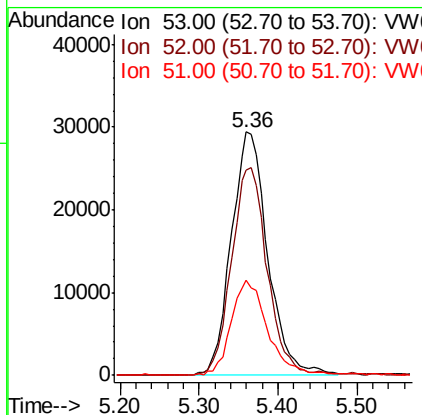
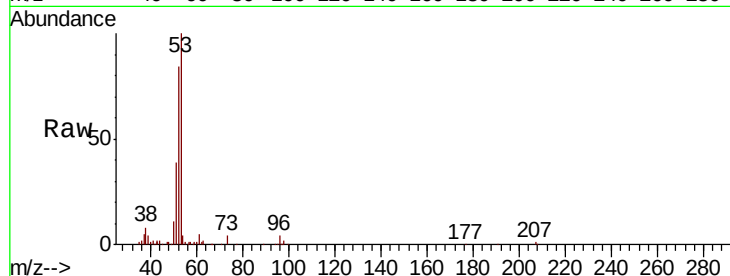
ClientSampleId :

VW0214SBSD01

Tot Ion:	53	Resp:	94594
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.8	100.2
51	39.1	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 95.930 ug/l

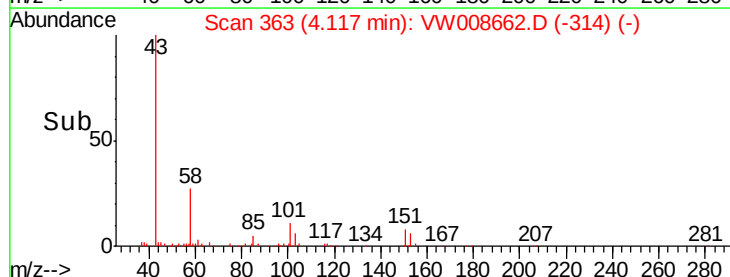
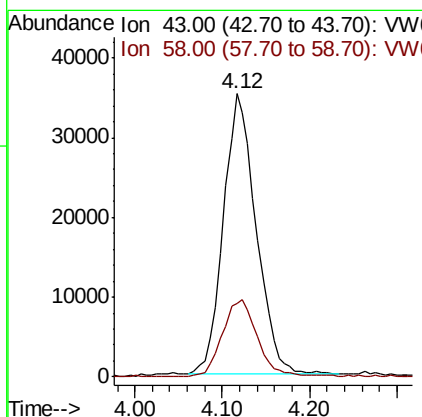
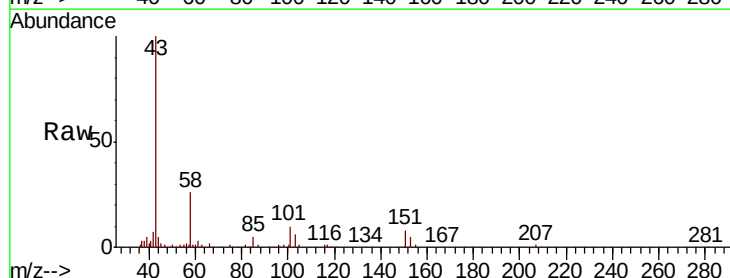
RT: 4.12 min Scan# 363

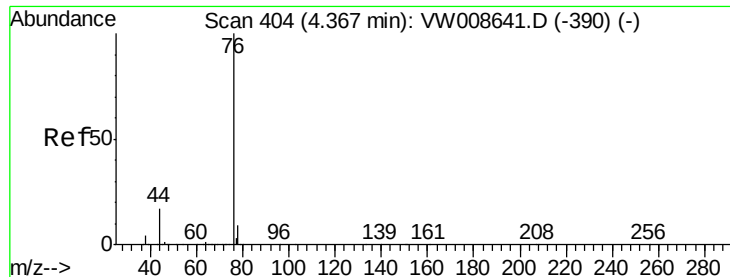
Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion:	43	Resp:	91198
Ion	Ratio	Lower	Upper
43	100		
58	25.9	24.1	36.1





#17

Carbon Disulfide

Concen: 20.554 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

Tot Ion: 76 Resp: 243336

Ion Ratio Lower Upper

76 100

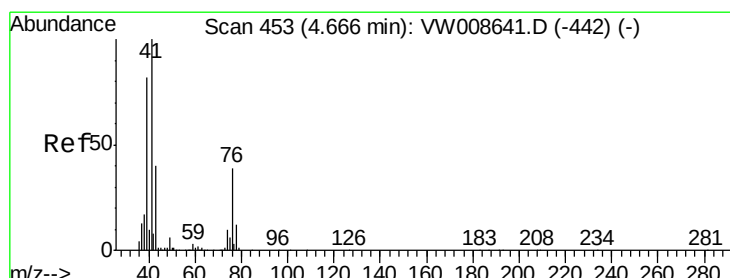
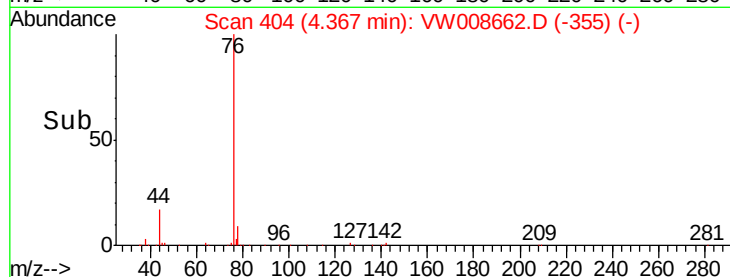
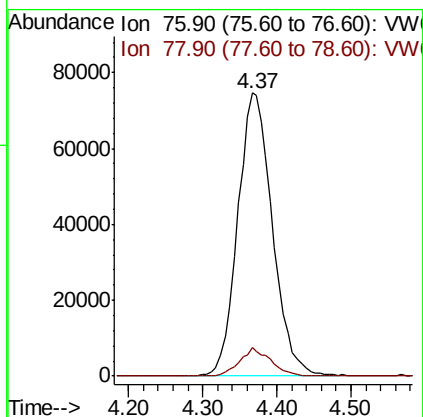
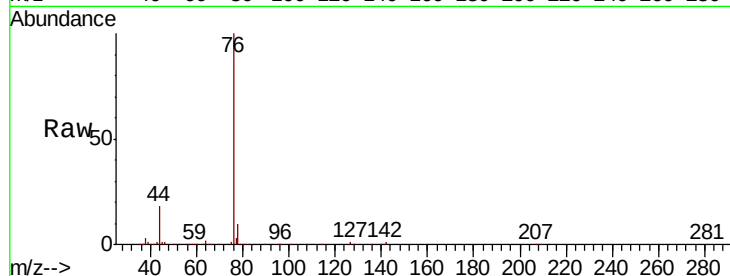
78 9.9 7.1 10.7

Manual Integrations

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2/18/2019 12:10:50 AM



#18

Methyl Acetate

Concen: 18.325 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008662.D

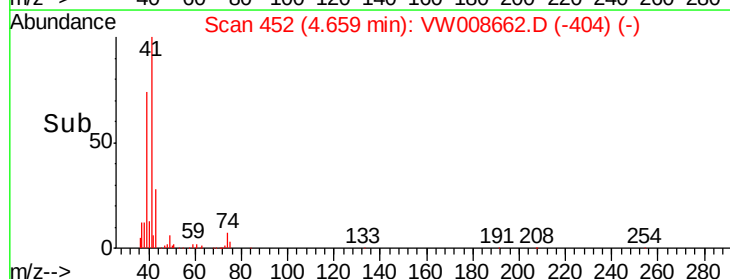
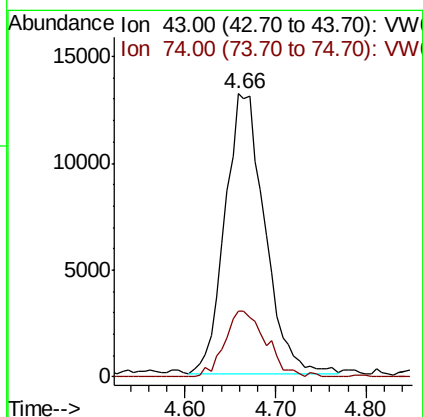
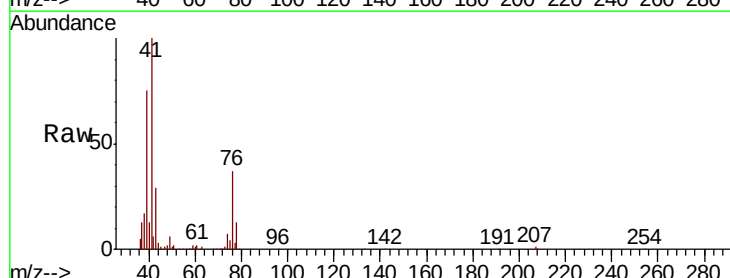
Acq: 14 Feb 2019 13:26

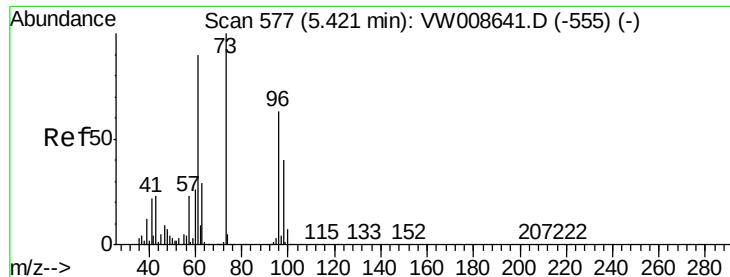
Tgt Ion: 43 Resp: 39808

Ion Ratio Lower Upper

43 100

74 24.4 19.0 28.4





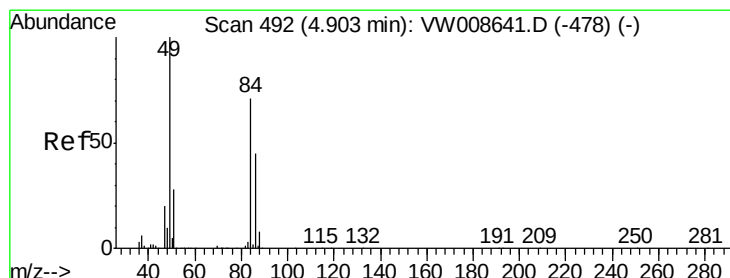
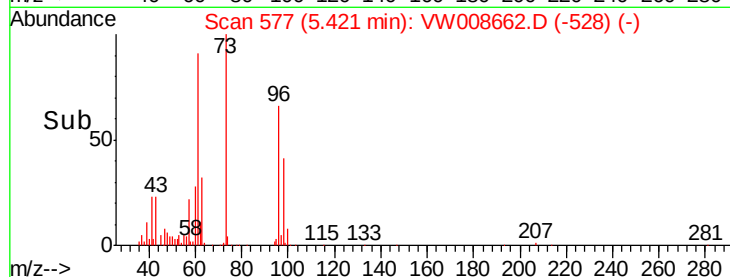
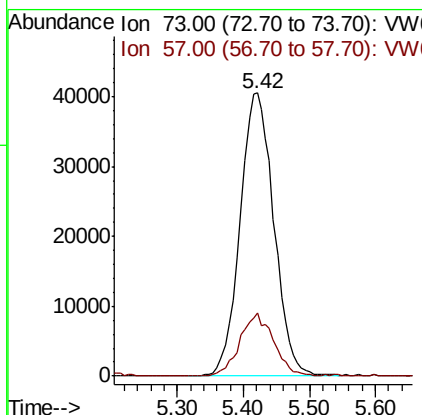
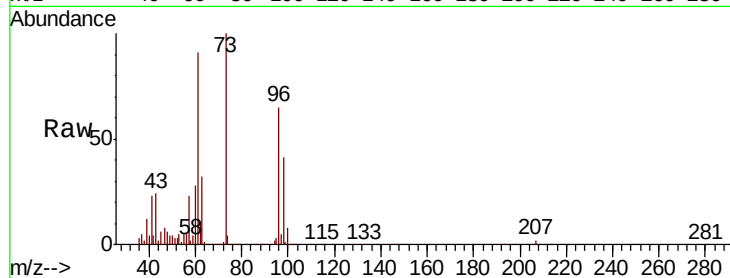
#19
Methyl tert-butyl Ether
Concen: 20.884 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.2	27.2

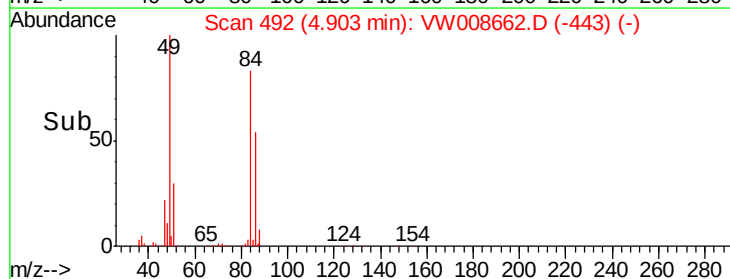
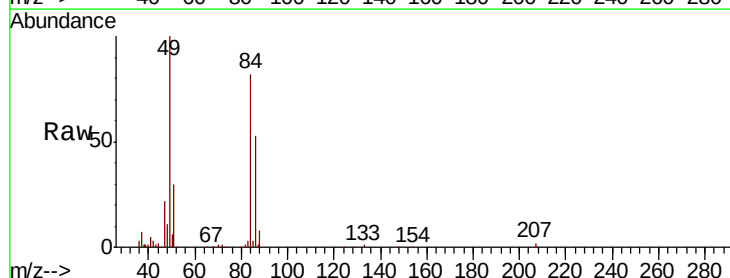
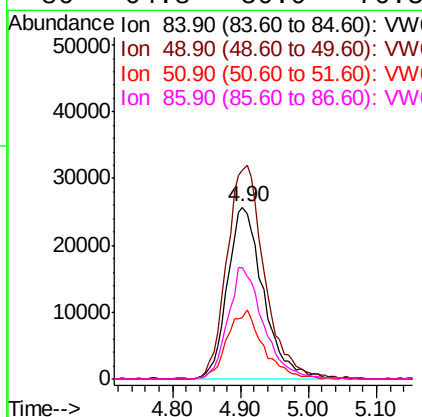
Manual Integrations
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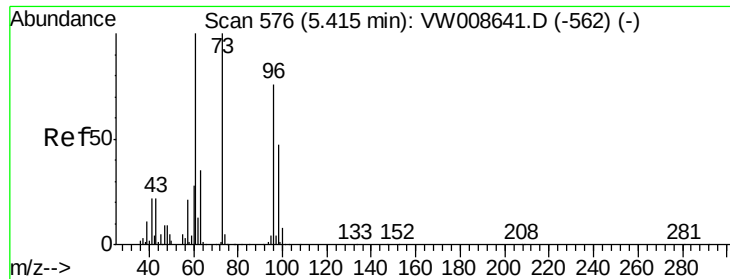
MMDadoda
2/18/2019 12:10:50 AM



#20
Methylene Chloride
Concen: 17.854 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	113.3	169.9
51	35.9	32.1	48.1
86	64.8	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.665 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

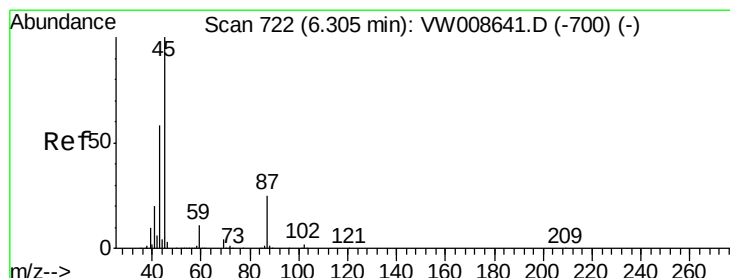
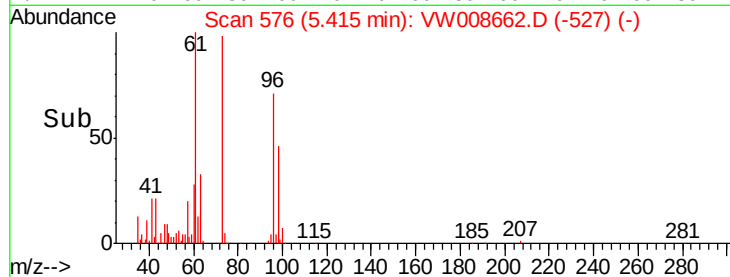
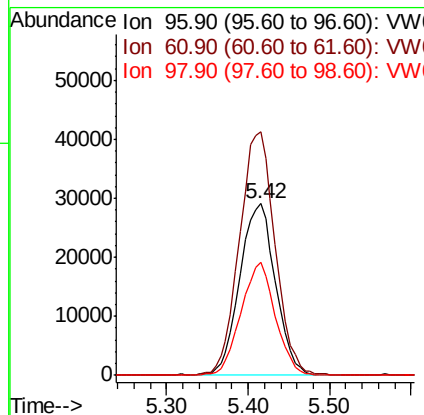
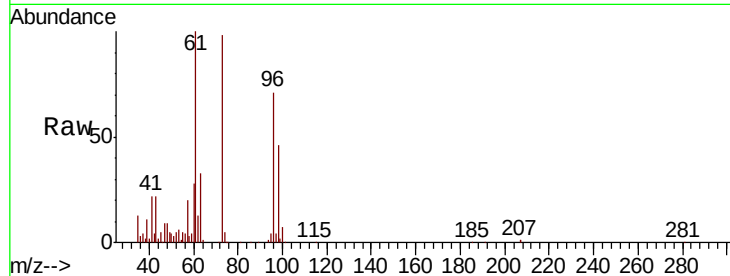
ClientSampleId :

VW0214SBSD01

Tot Ion:	96	Resp:	88782
Ion	Ratio	Lower	Upper
96	100		
61	141.8	105.9	158.9
98	65.8	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.448 ug/l

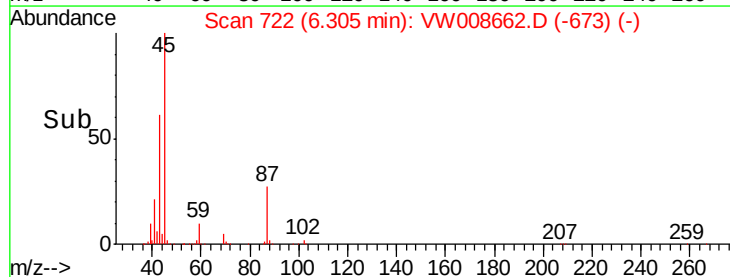
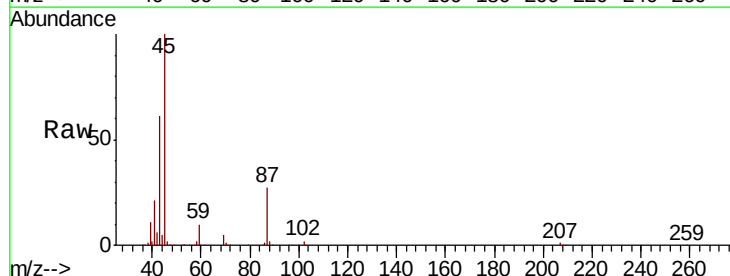
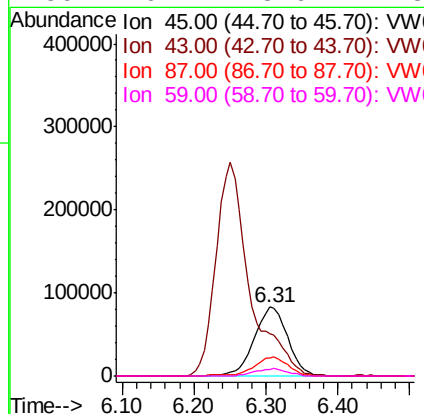
RT: 6.31 min Scan# 722

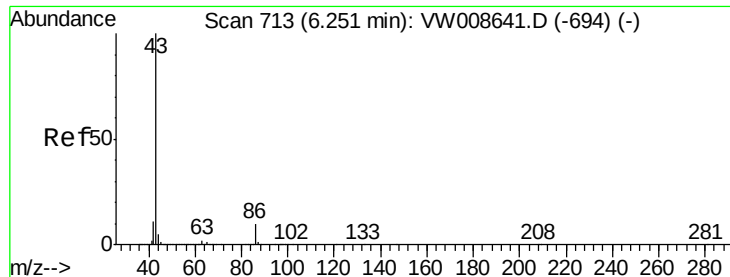
Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion:	45	Resp:	268247
Ion	Ratio	Lower	Upper
45	100		
43	60.2	46.1	69.1
87	26.8	20.5	30.7
59	10.1	8.6	12.8





#23

Vinyl Acetate

Concen: 98.613 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 43 Resp: 839600

Ion Ratio Lower Upper

43 100

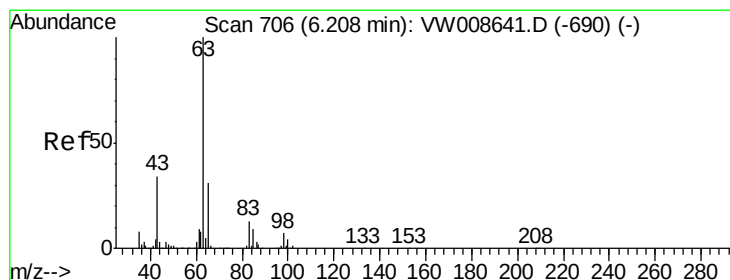
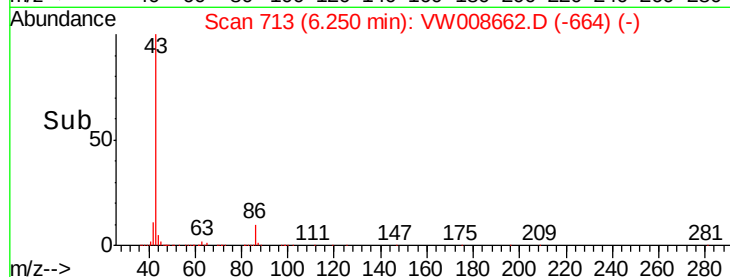
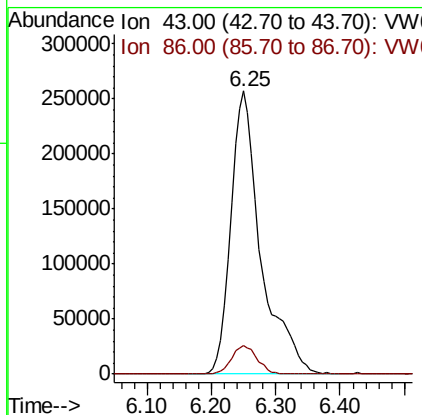
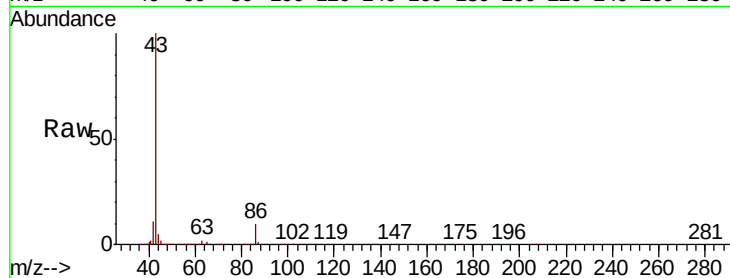
86 9.9 7.9 11.9

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.870 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

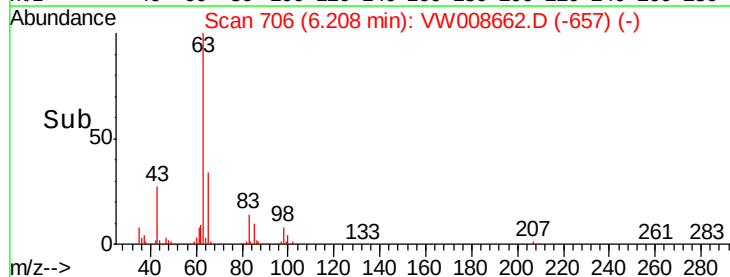
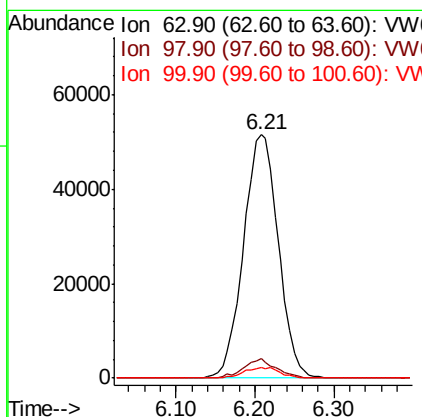
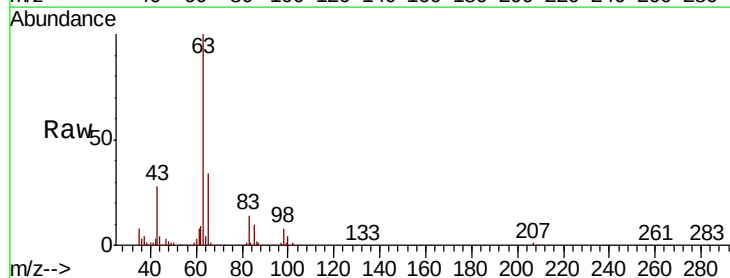
Tgt Ion: 63 Resp: 157980

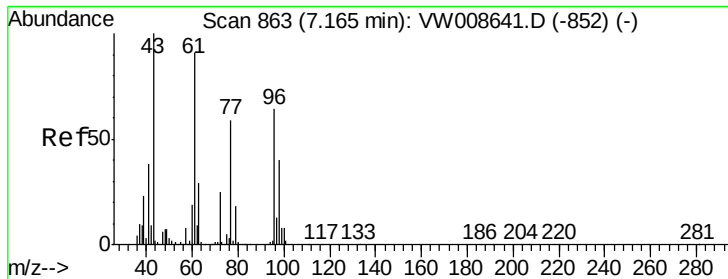
Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.8

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 95.011 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleID :

VW0214SBSD01

Tot Ion: 43 Resp: 127543

Ion Ratio Lower Upper

43 100

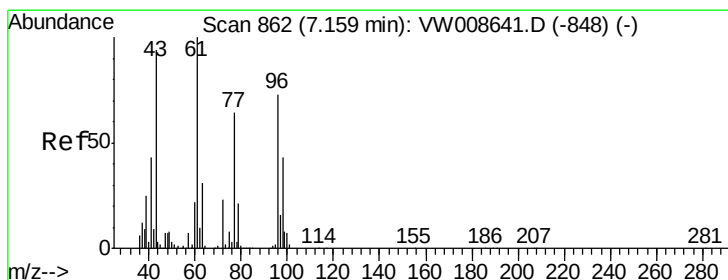
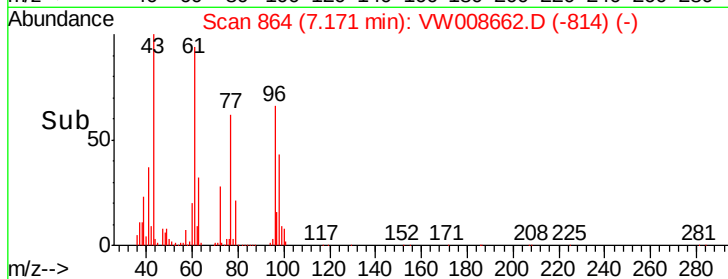
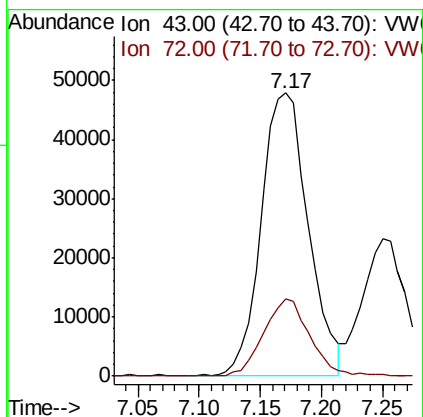
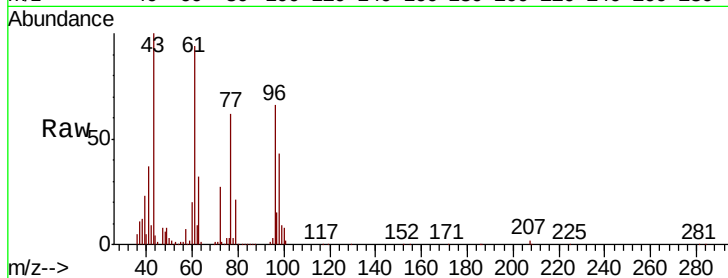
72 27.5 19.7 29.5

Manual Integrations

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MMDadoda

2/18/2019 12:10:50 AM



#26

2,2-Dichloropropane

Concen: 20.959 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008662.D

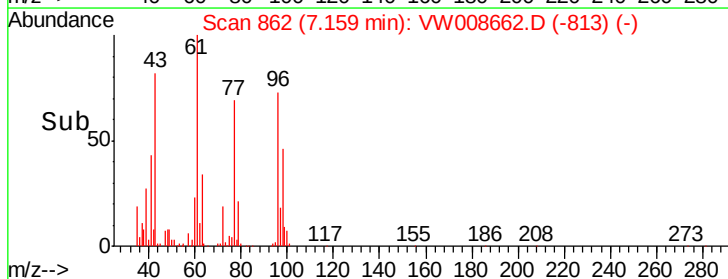
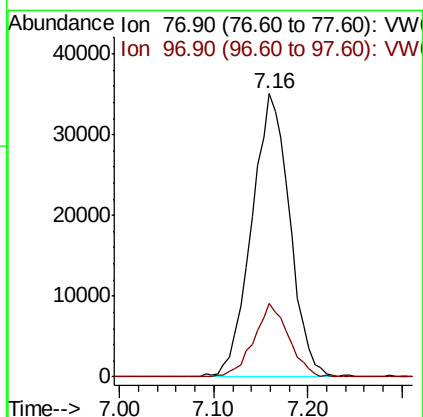
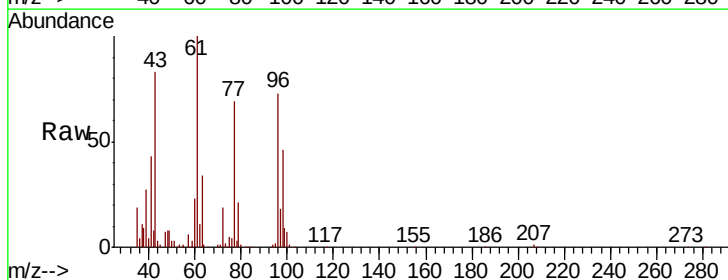
Acq: 14 Feb 2019 13:26

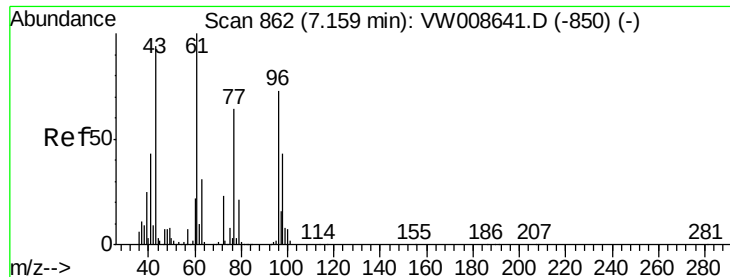
Tgt Ion: 77 Resp: 99114

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

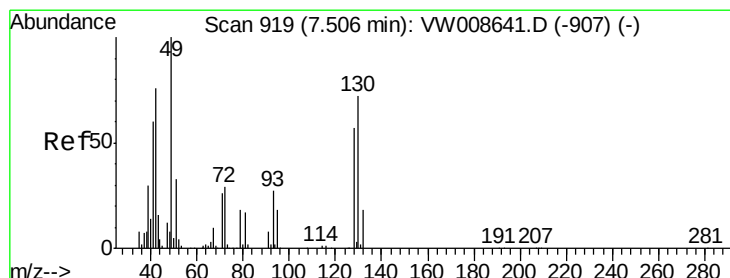
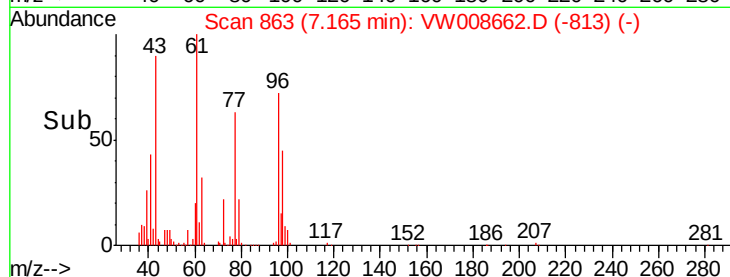
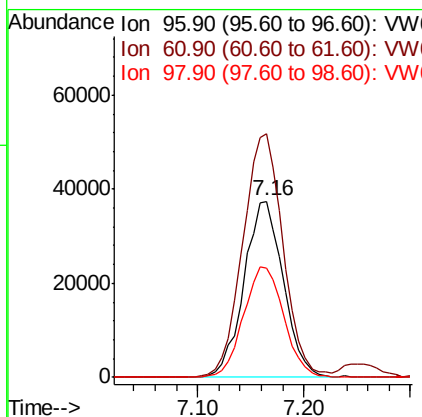
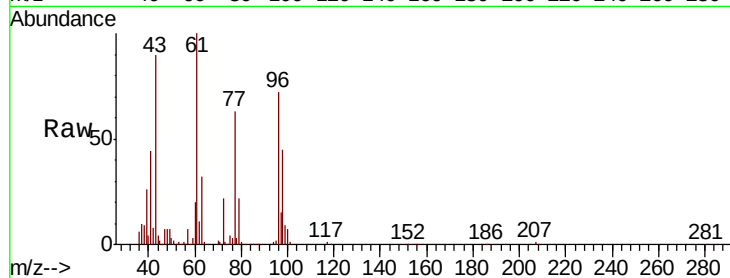
cis-1,2-Dichloroethene
 Concen: 20.931 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	286.4
98	64.2	0.0	125.0

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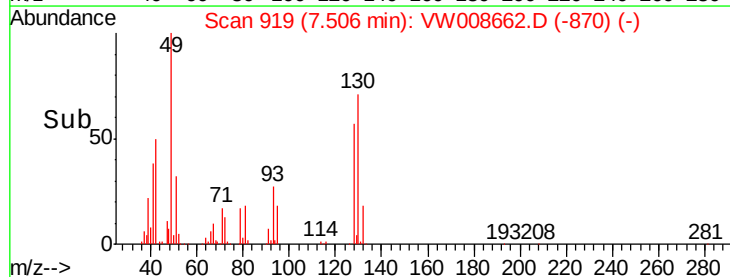
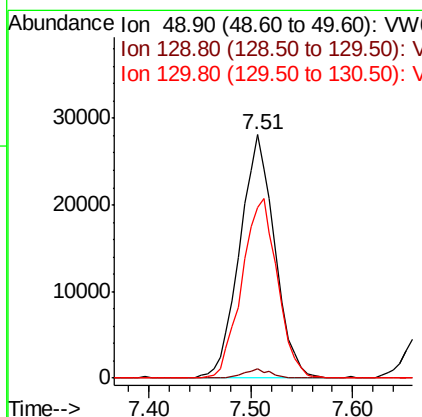
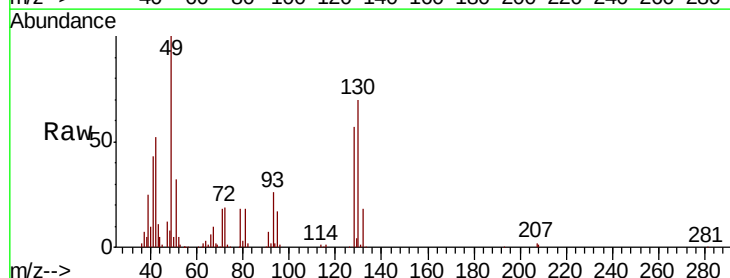
MMDadoda
 2/18/2019 12:10:50 AM

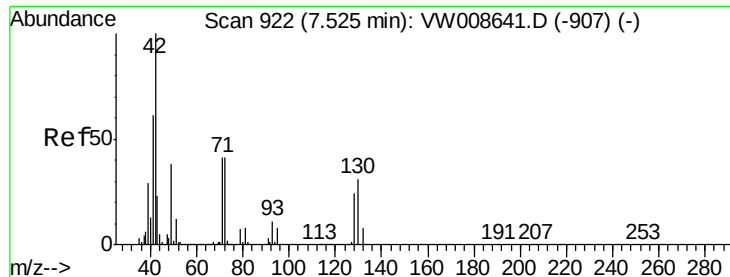


#28

Bromochloromethane
 Concen: 20.942 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.2
130	75.2	59.4	89.0





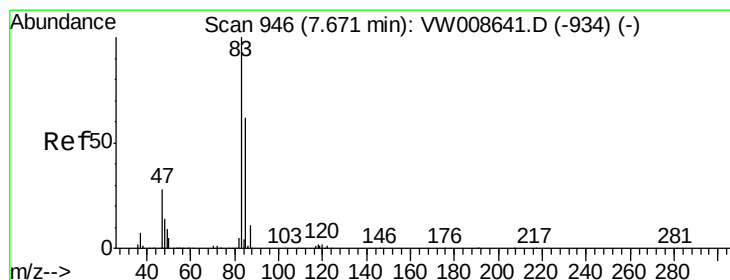
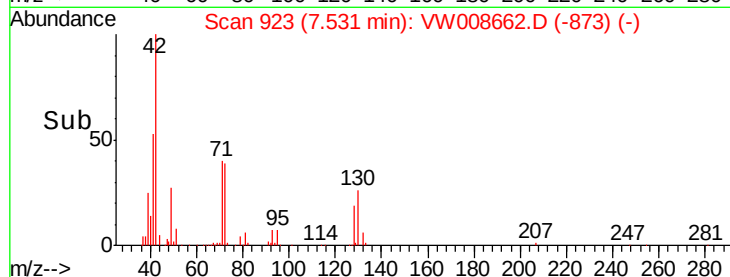
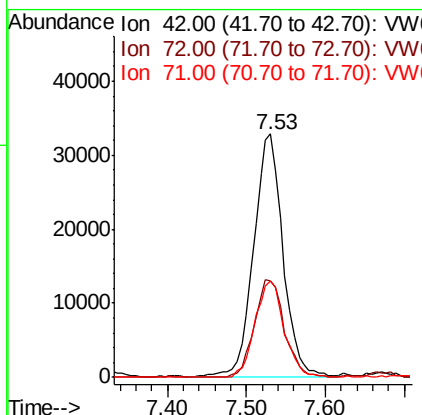
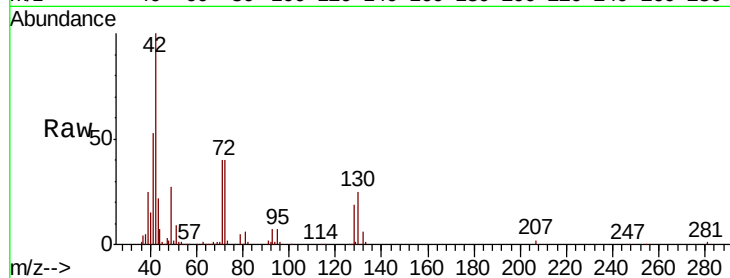
#29
Tetrahydrofuran
Concen: 94.762 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.2	48.2
71	39.6	31.0	46.6

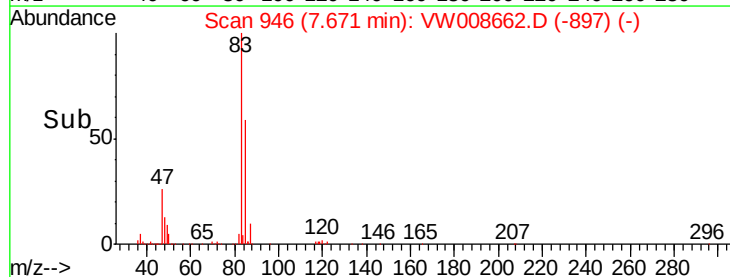
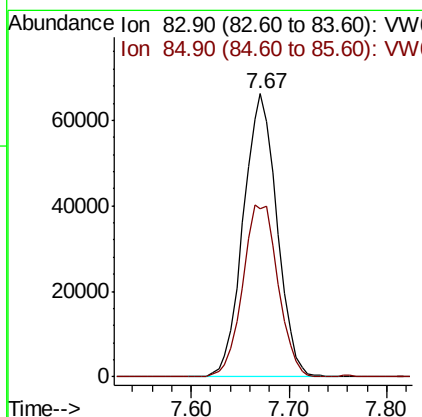
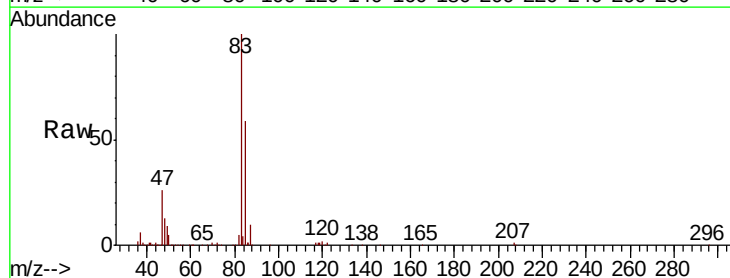
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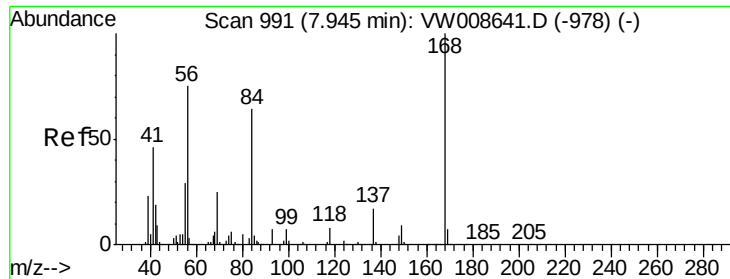
MMDadoda
2/18/2019 12:10:50 AM



#30
Chloroform
Concen: 20.768 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.3	49.8	74.8





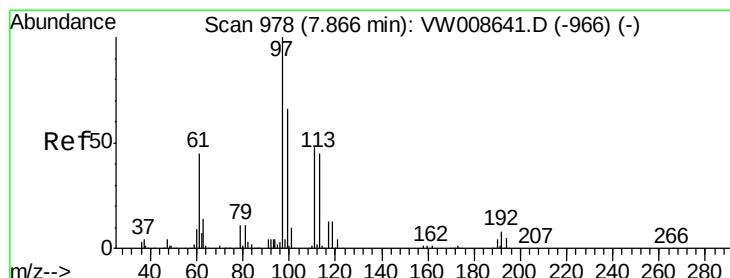
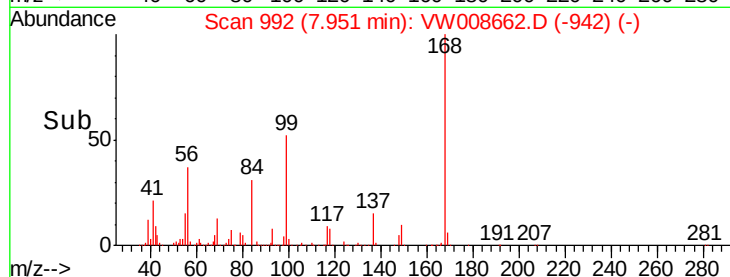
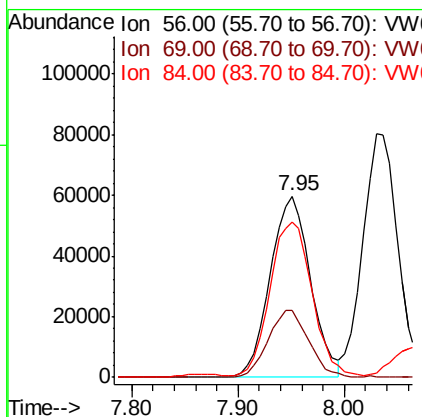
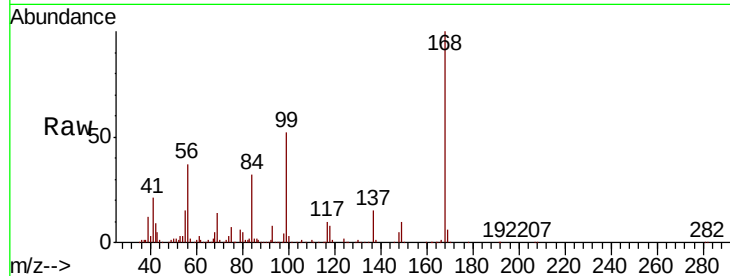
#31
Cyclohexane
Concen: 20.473 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.4	39.6
84	84.4	67.4	101.2

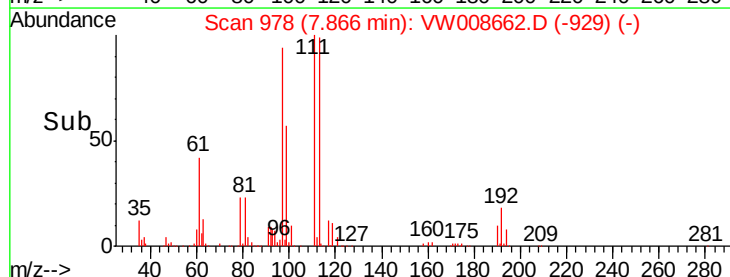
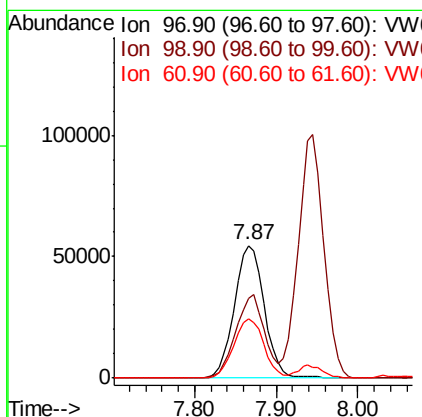
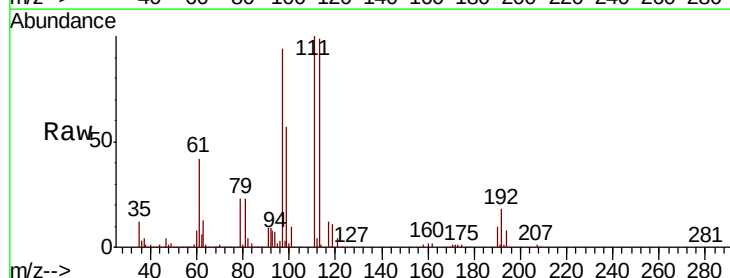
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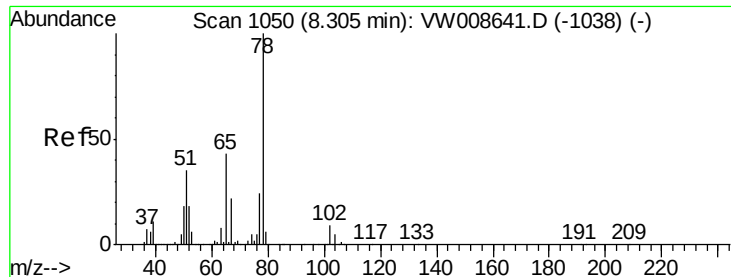
MMDadoda
2/18/2019 12:10:50 AM



#32
1,1,1-Trichloroethane
Concen: 21.539 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.0	51.6	77.4
61	45.0	35.8	53.6





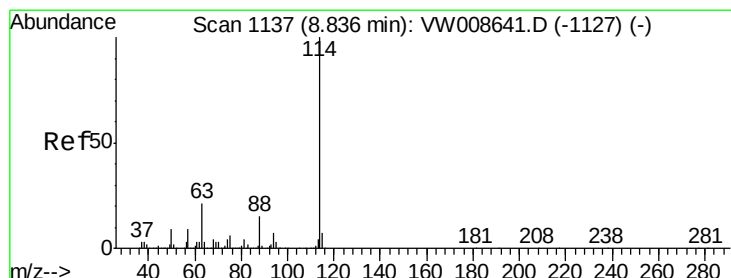
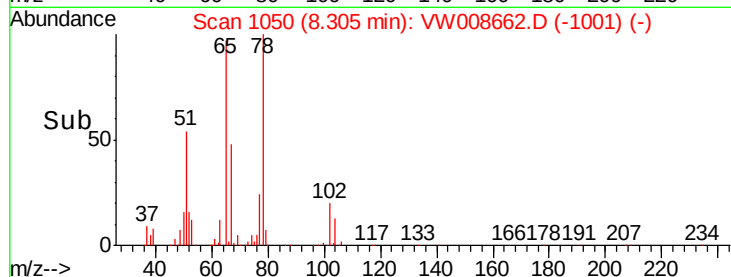
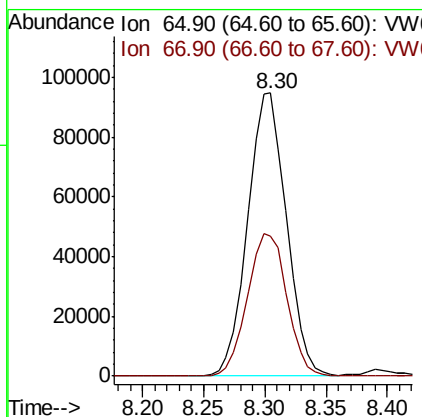
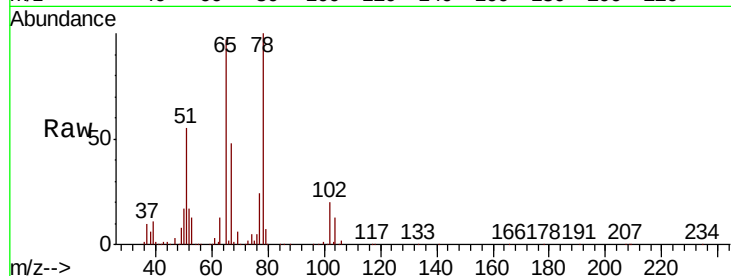
#33
 1,2-Dichloroethane-d4
 Concen: 49.960 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0214SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	102.0	

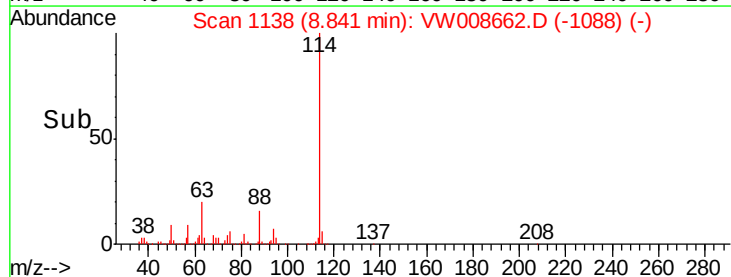
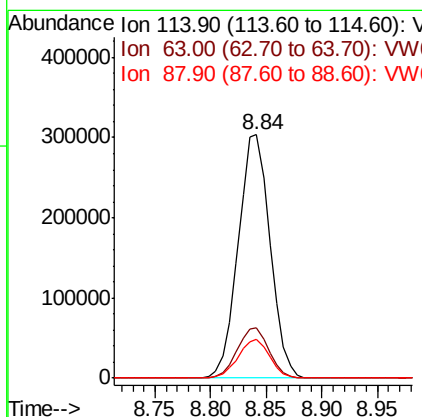
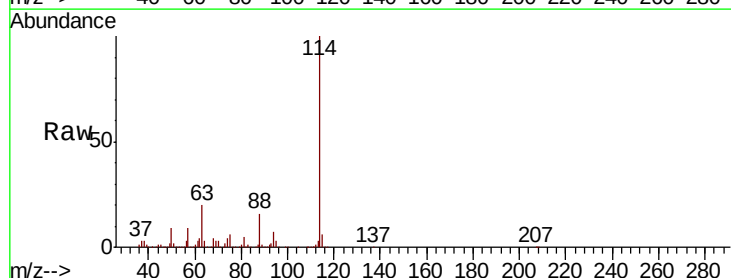
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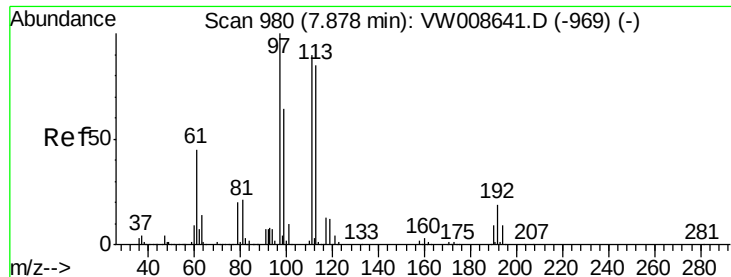
MMDadoda
 2/18/2019 12:10:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	41.2	
88	16.1	0.0	29.6	





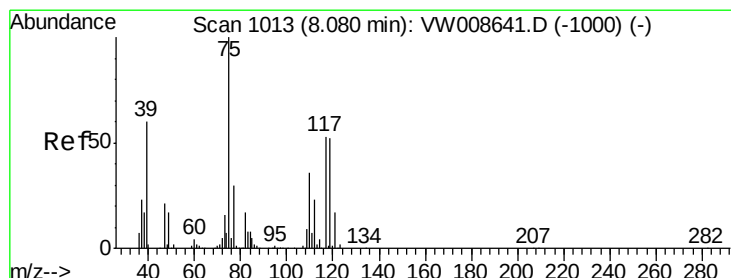
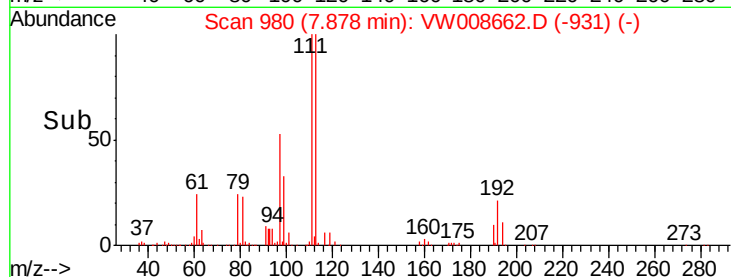
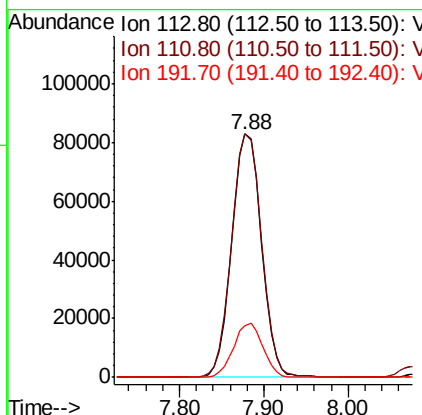
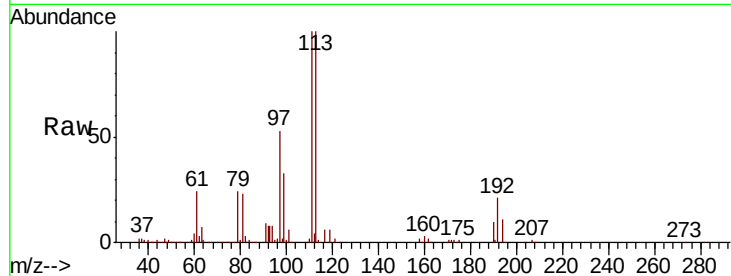
#35
 Dibromofluoromethane
 Concen: 52.348 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196922		
111	101.3	84.0	126.0	
192	21.7	17.4	26.2	

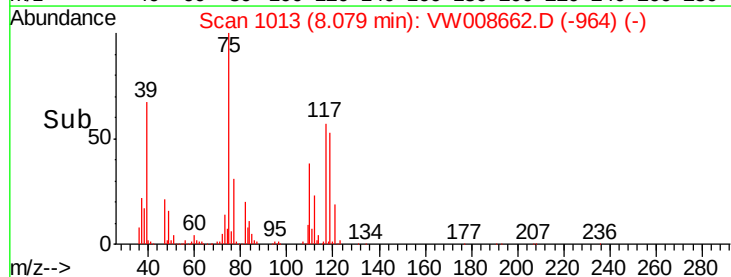
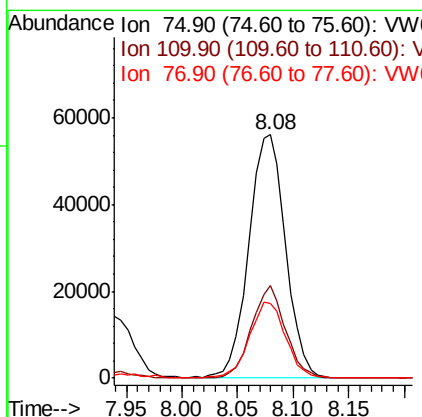
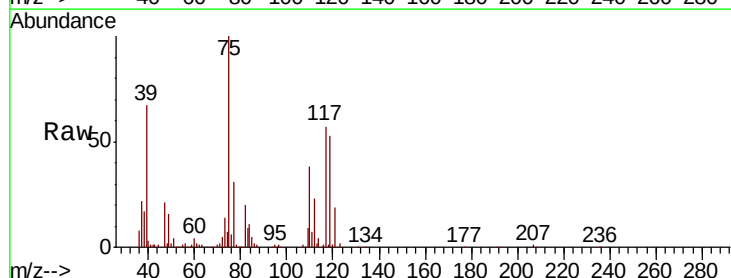
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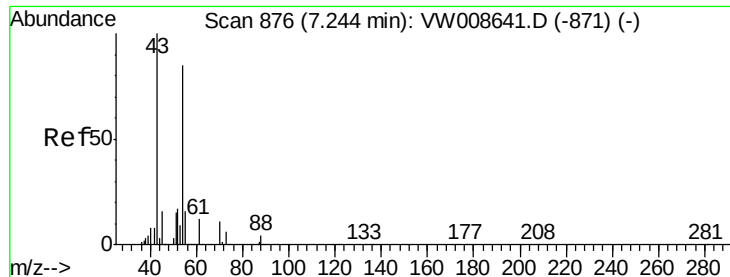
MMDadoda
 2/18/2019 12:10:50 AM



#36
 1,1-Dichloropropene
 Concen: 21.105 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128458		
110	35.2	17.8	53.3	
77	30.9	24.7	37.1	





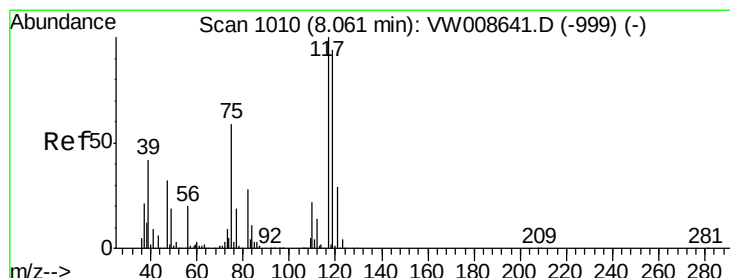
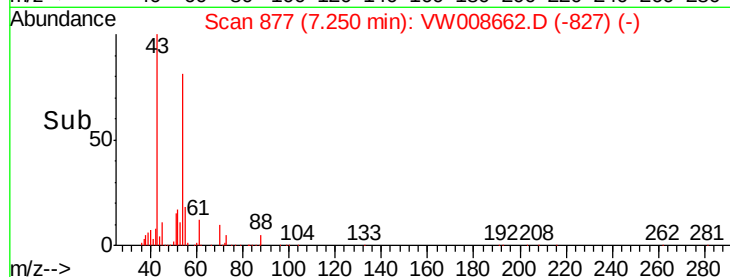
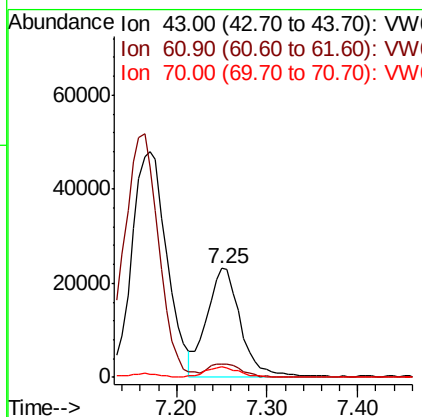
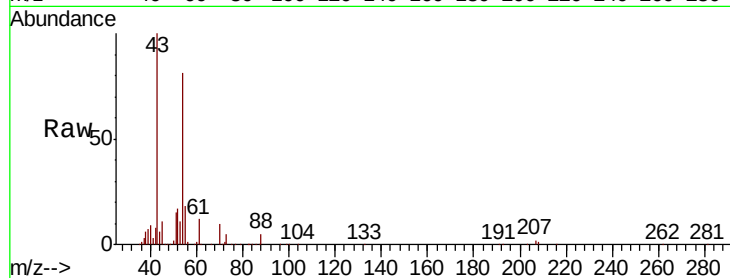
#37
Ethyl Acetate
Concen: 20.351 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleID :
VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.5	15.7
70	10.2	8.1	12.1

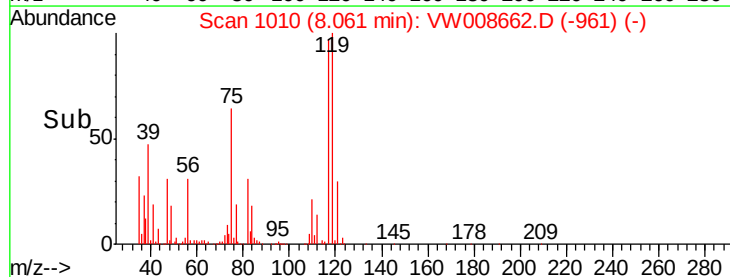
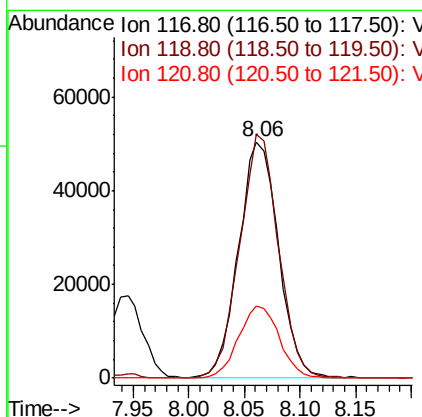
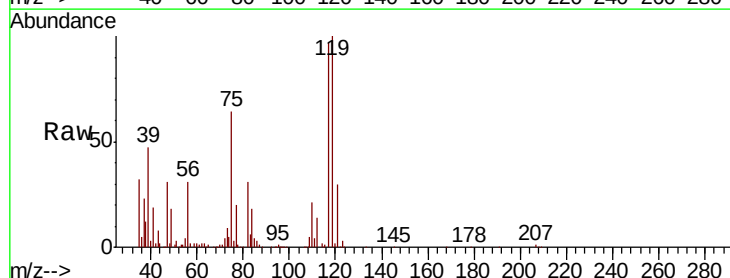
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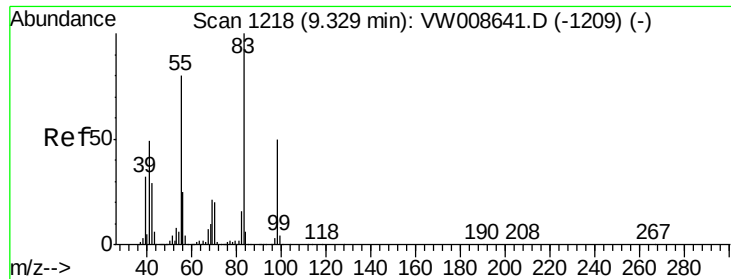
MMDadoda
2/18/2019 12:10:50 AM



#38
Carbon Tetrachloride
Concen: 20.697 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.2	75.1	112.7
121	30.6	23.5	35.3





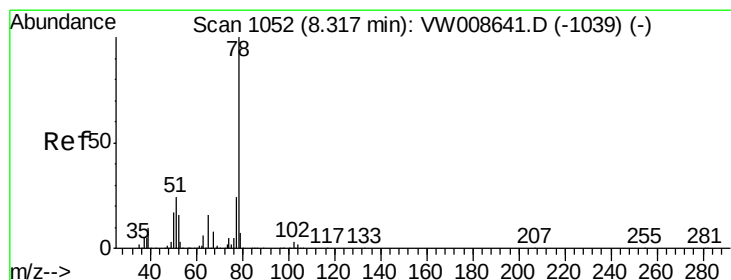
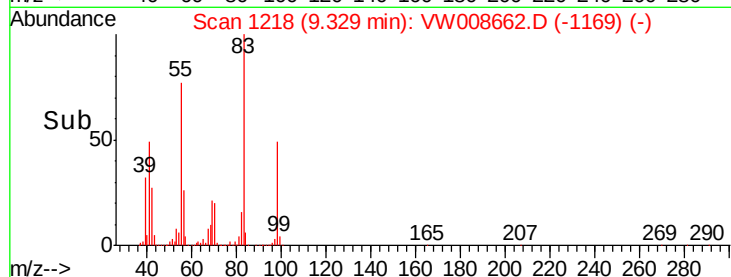
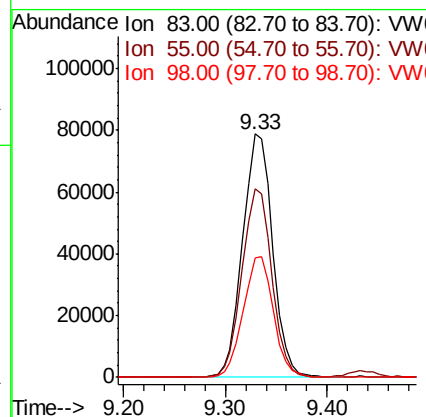
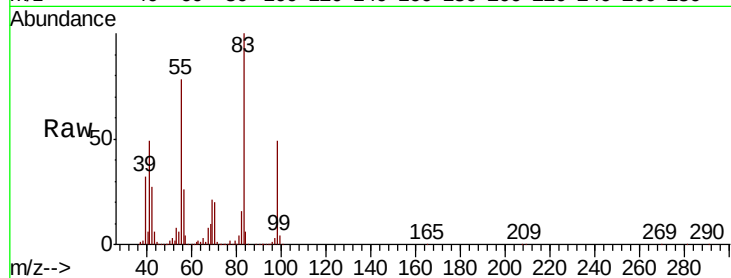
#39
Methylvlcyclohexane
Concen: 21.002 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	63.9	95.9
98	49.1	40.2	60.2

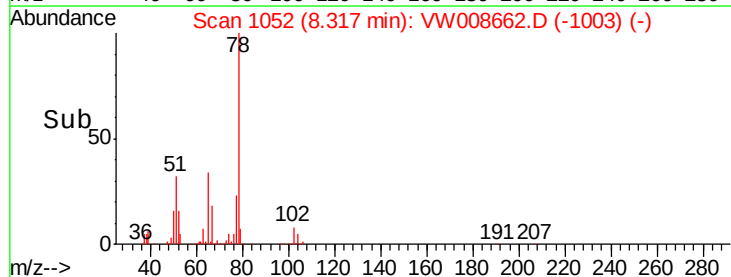
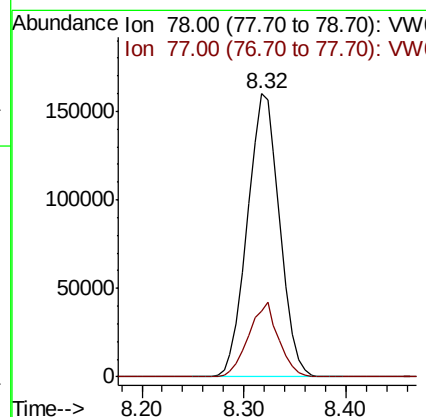
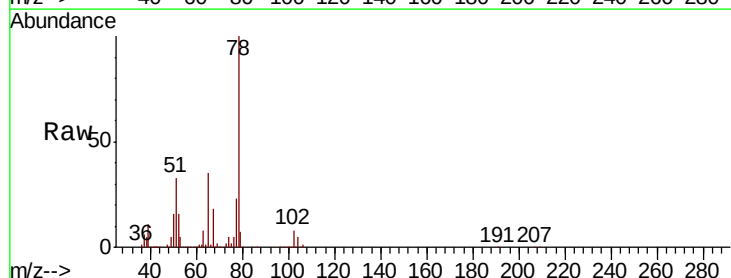
Manual Integrations
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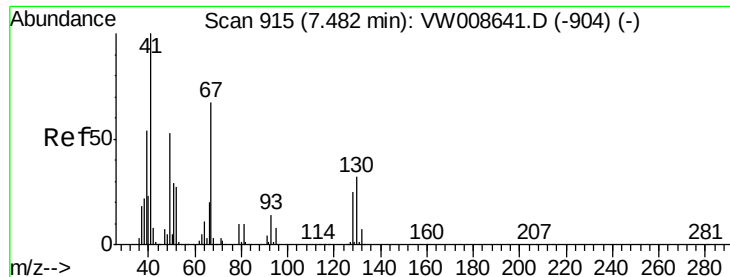
MMDadoda
2/18/2019 12:10:50 AM



#40
Benzene
Concen: 21.168 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.5	29.3





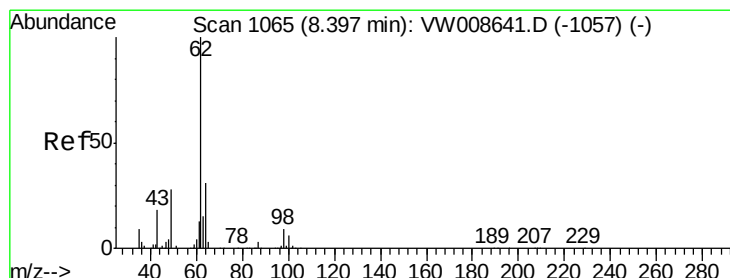
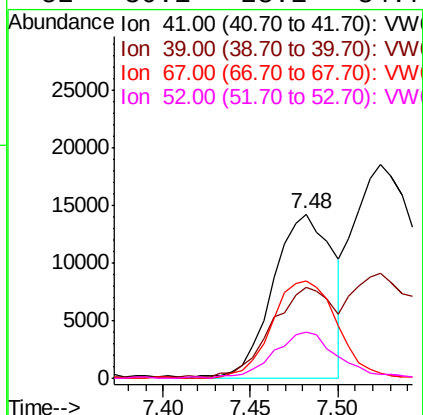
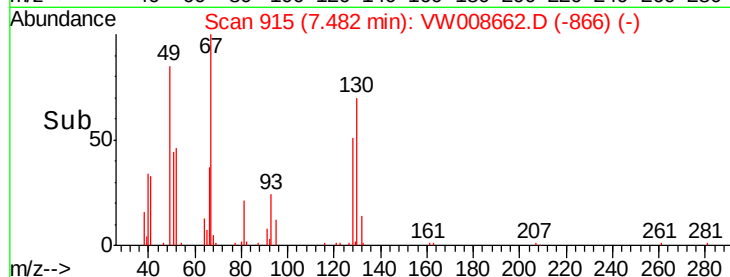
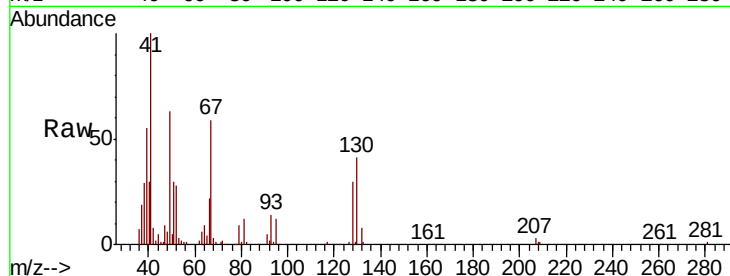
#41
Methacrylonitrile
Concen: 20.659 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.4	39.7	59.5
67	64.7	52.5	78.7
52	30.1	23.1	34.7

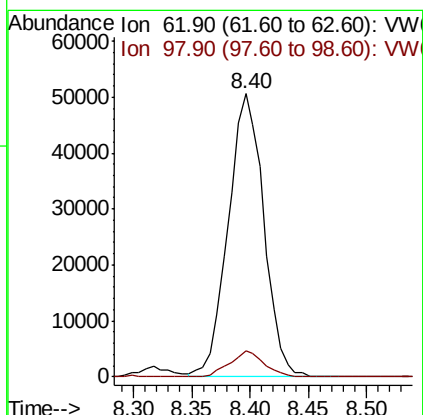
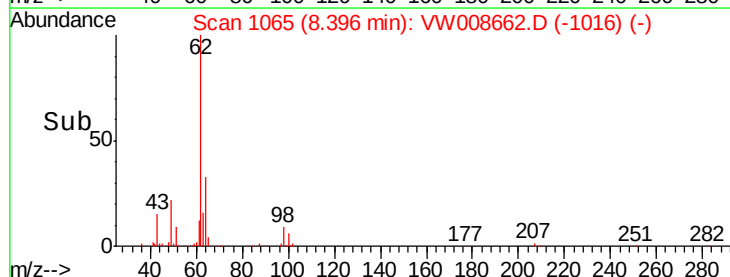
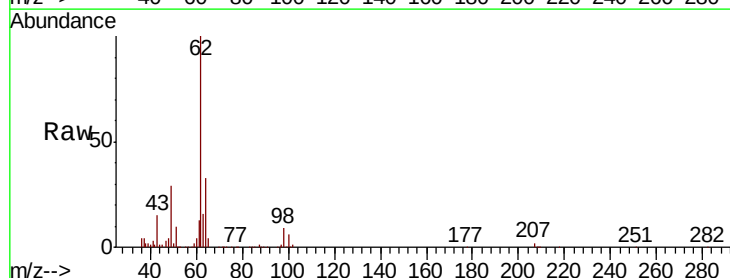
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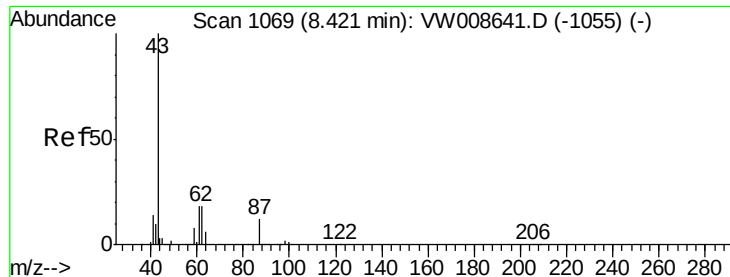
MMDadoda
2/18/2019 12:10:50 AM



#42
1,2-Dichloroethane
Concen: 20.793 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 19.396 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

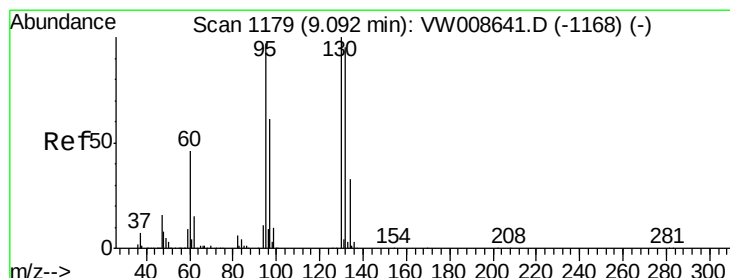
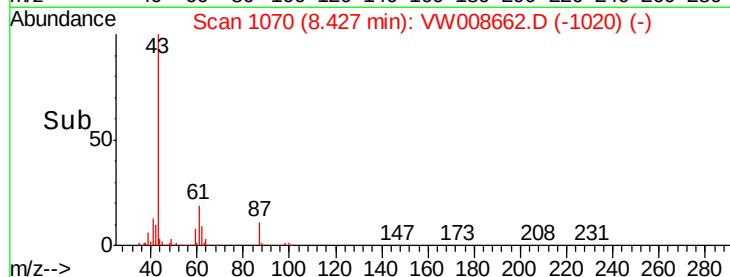
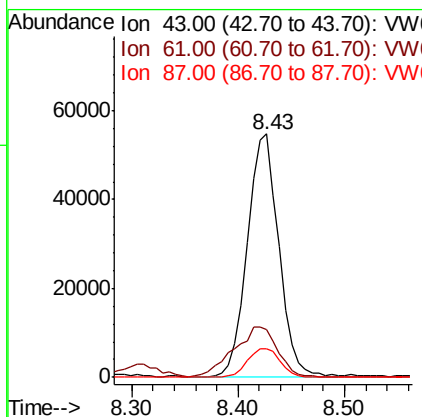
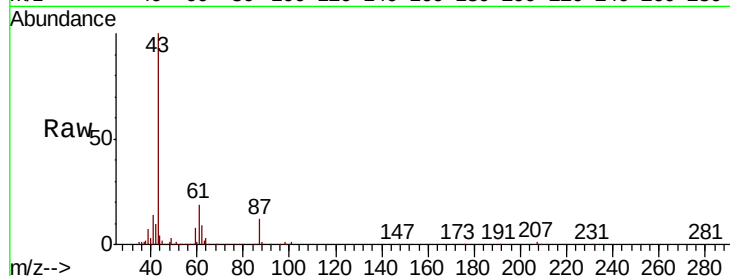
ClientSampleId :

VW0214SBSD01

Tot Ion:	43	Resp:	113555
Ion	Ratio	Lower	Upper
43	100		
61	29.1	21.4	32.2
87	12.2	9.8	14.8

Manual Integrations
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2/18/2019 12:10:50 AM



#44

Trichloroethene

Concen: 21.083 ug/l

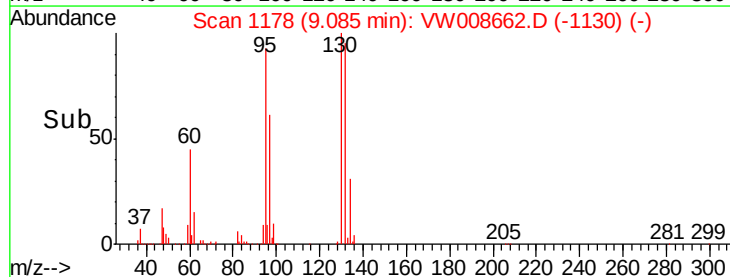
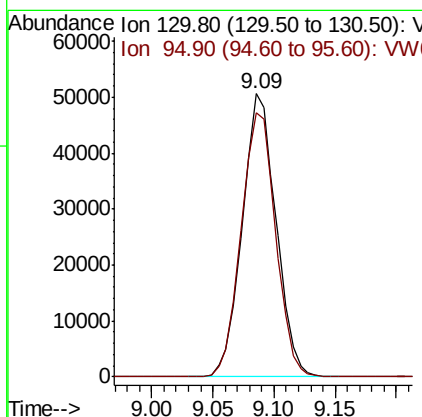
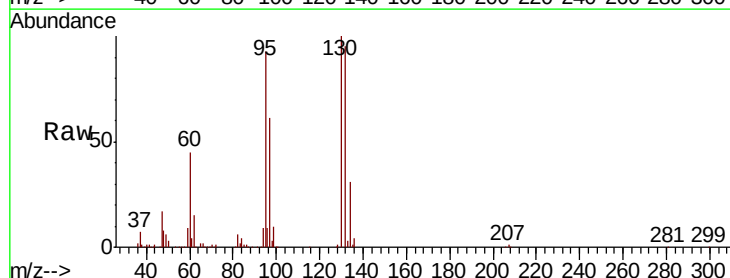
RT: 9.09 min Scan# 1178

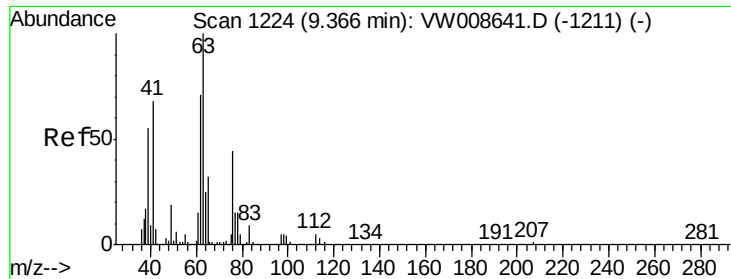
Delta R.T. -0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion:	130	Resp:	97171
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	193.4





#45

1,2-Dichloropropane

Concen: 20.822 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 63 Resp: 85659

Ion Ratio Lower Upper

63 100

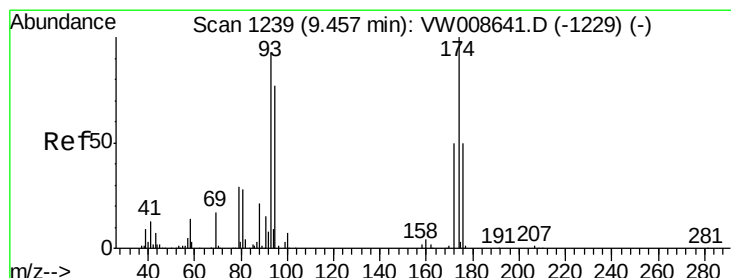
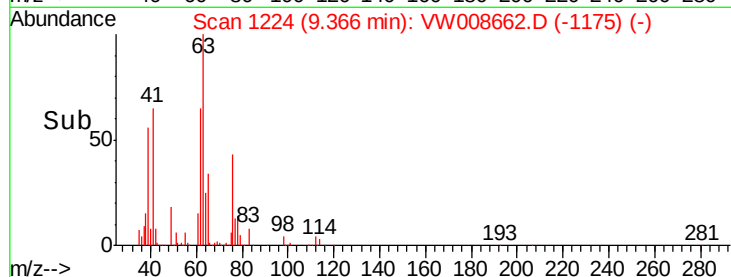
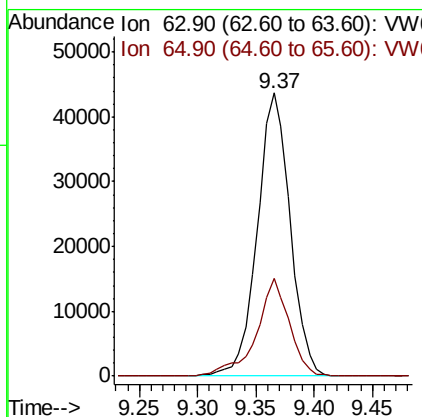
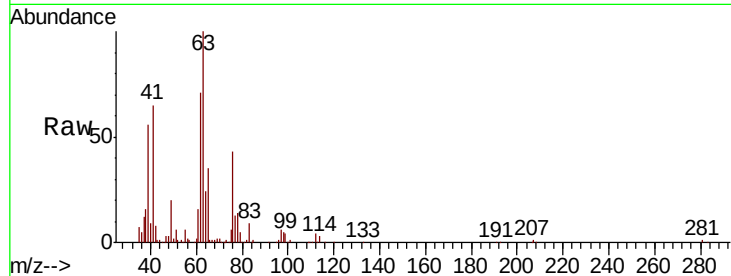
65 34.3 25.4 38.0

Manual Integrations

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MMDadoda

2/18/2019 12:10:50 AM



#46

Dibromomethane

Concen: 20.759 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

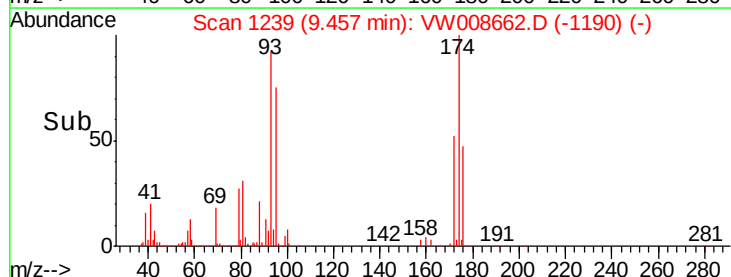
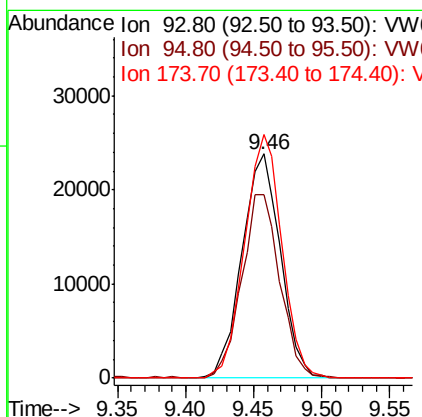
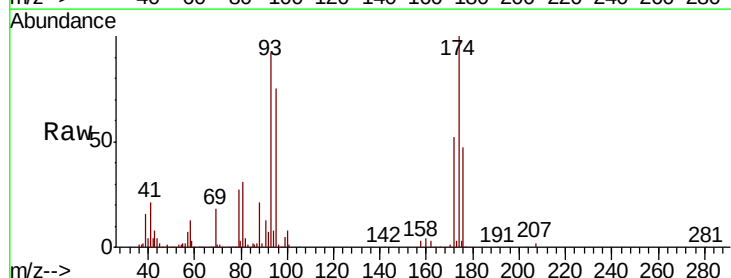
Tgt Ion: 93 Resp: 47045

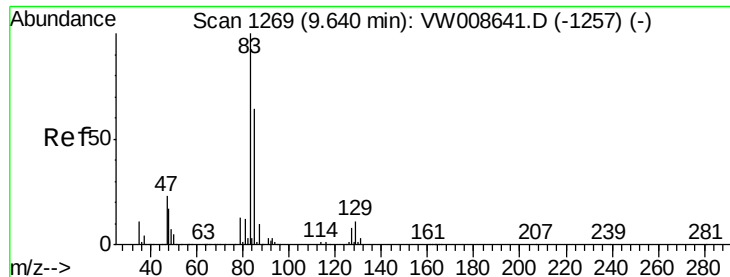
Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.8

174 105.7 82.5 123.7





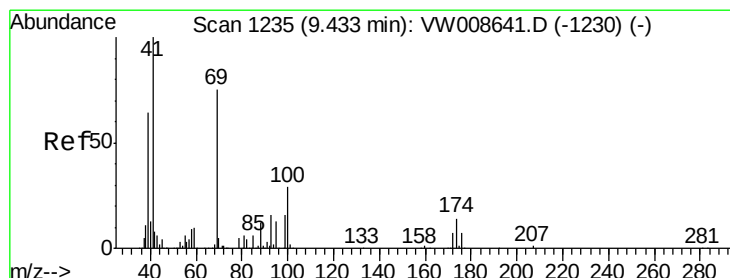
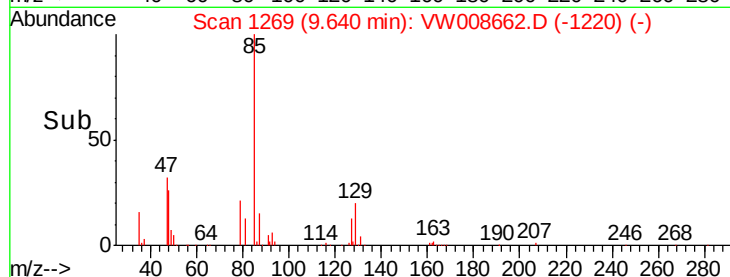
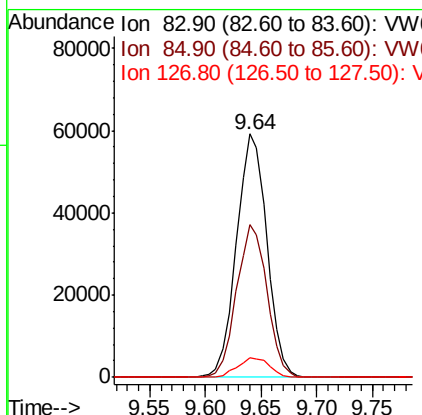
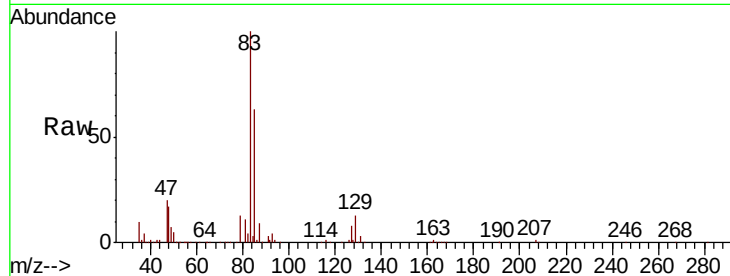
#47
Bromodichloromethane
Concen: 20.584 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	112109		
85	62.6	51.2	76.8	
127	7.9	6.4	9.6	

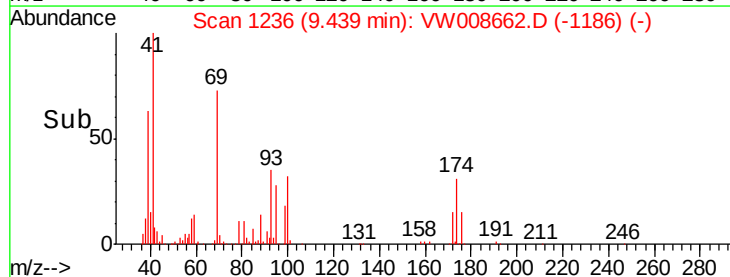
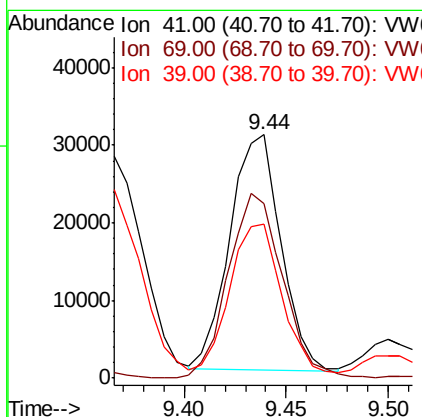
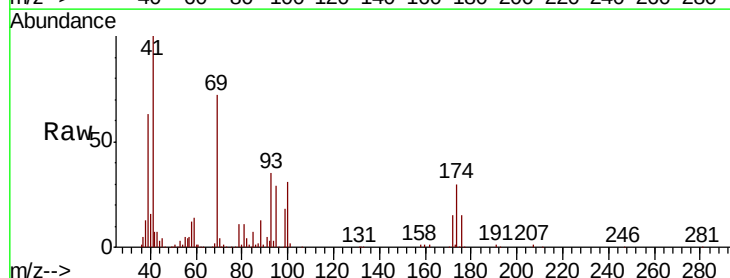
Manual Integrations
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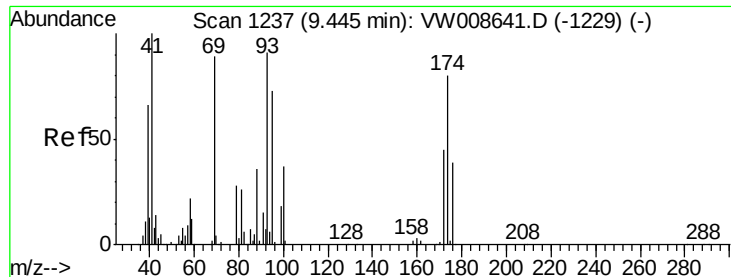
MMDadoda
2/18/2019 12:10:50 AM



#48
Methyl methacrylate
Concen: 19.349 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	52499		
69	84.2	64.1	96.1	
39	64.0	52.3	78.5	





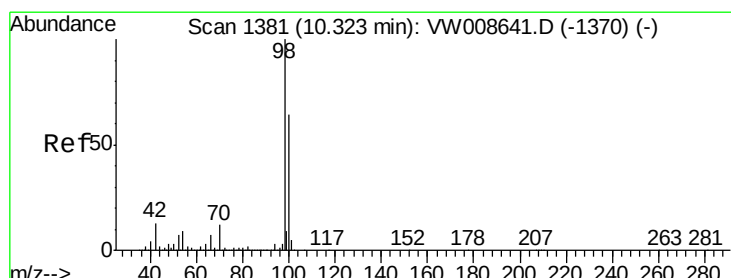
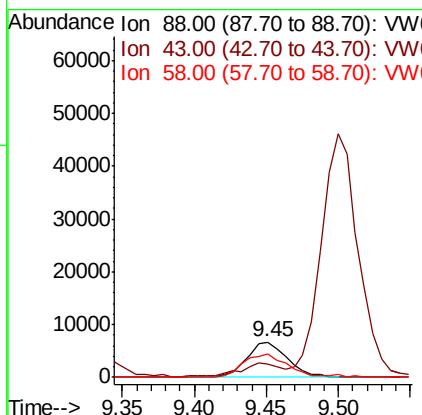
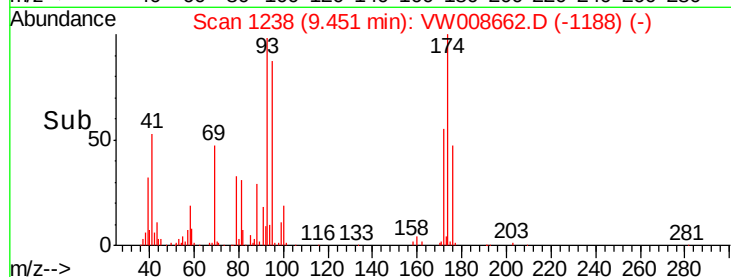
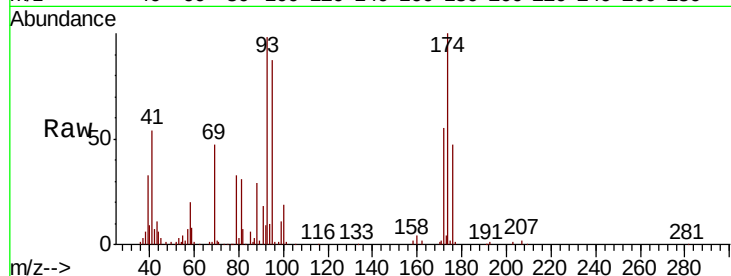
#49
1,4-Dioxane
Concen: 361.366 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	31.0	46.6
58	72.9	57.0	85.6

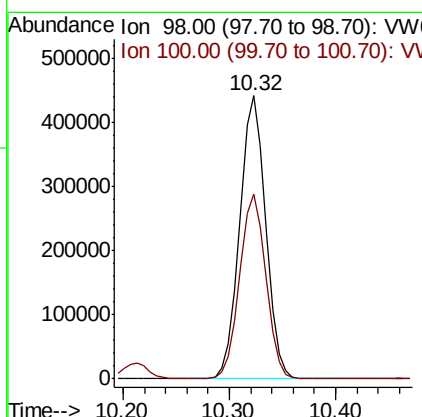
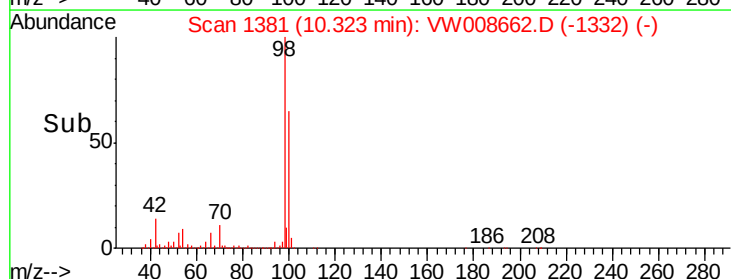
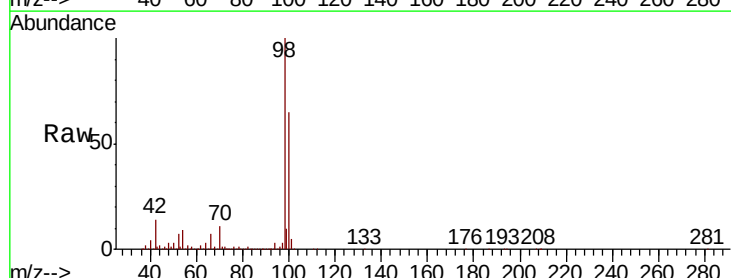
Manual Integrations
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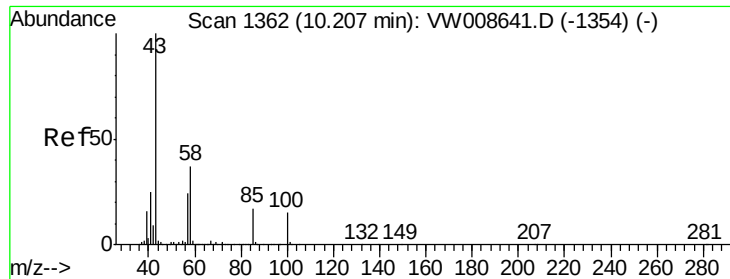
MMDadoda
2/18/2019 12:10:50 AM



#50
Toluene-d8
Concen: 52.150 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 95.776 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampled :

VW0214SBSD01

Tot Ion: 43 Resp: 288038

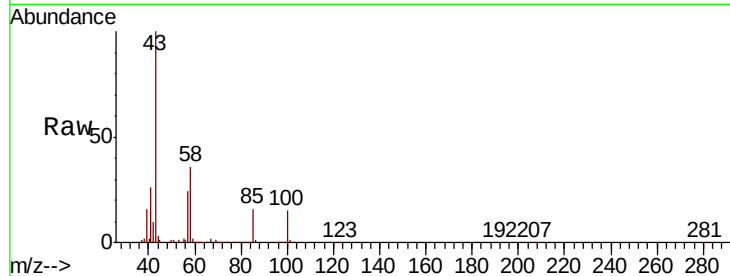
Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.6

Manual Integrations
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MMDadoda
2/18/2019 12:10:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

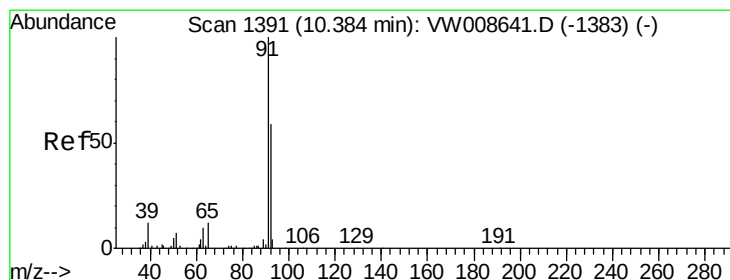
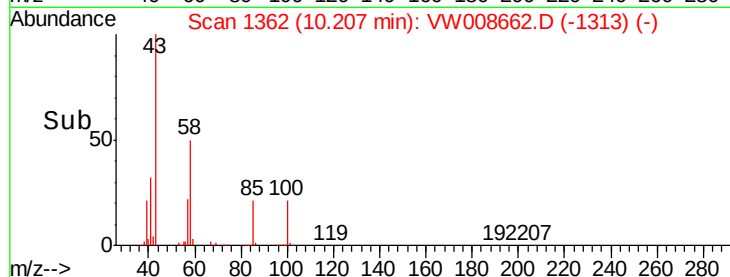
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 20.683 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008662.D

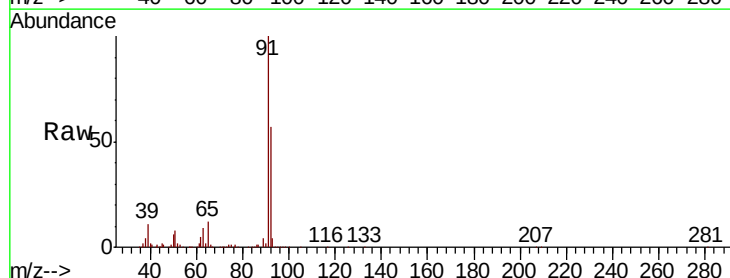
Acq: 14 Feb 2019 13:26

Tgt Ion: 92 Resp: 221802

Ion Ratio Lower Upper

92 100

91 173.6 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

250000

200000

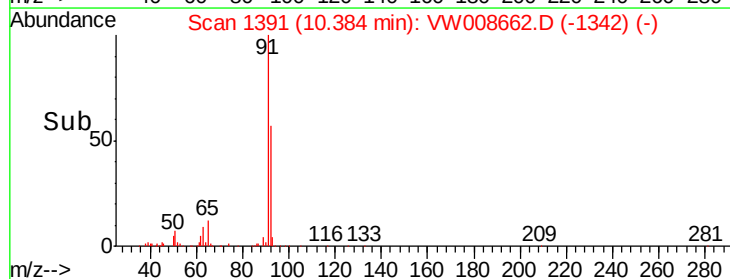
150000

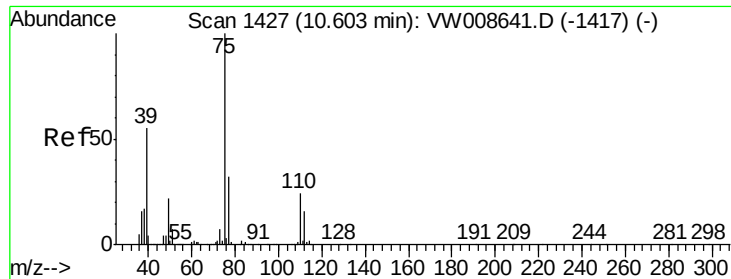
100000

50000

0

Time--> 10.30 10.40 10.50





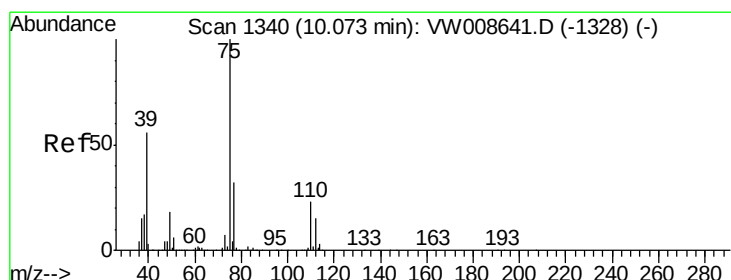
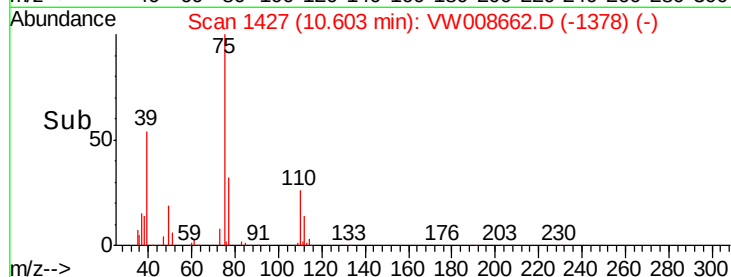
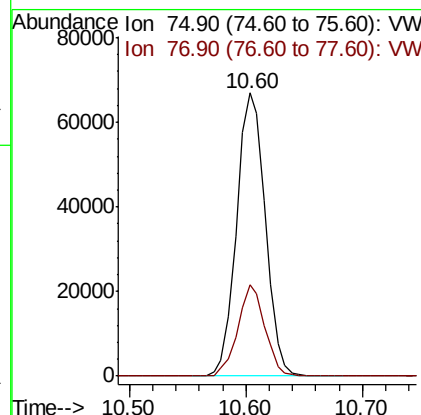
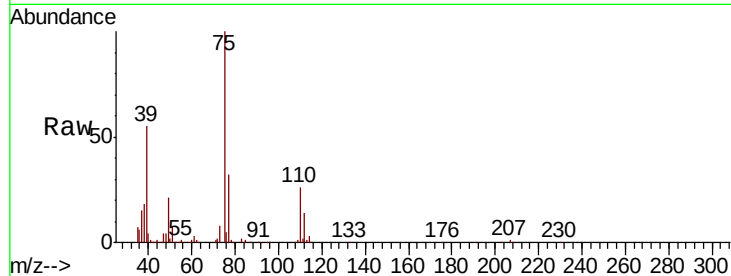
#53
t-1,3-Dichloropropene
Concen: 20.068 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion: 75 Resp: 114824
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5

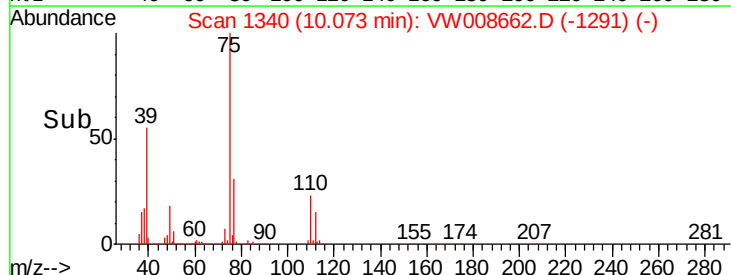
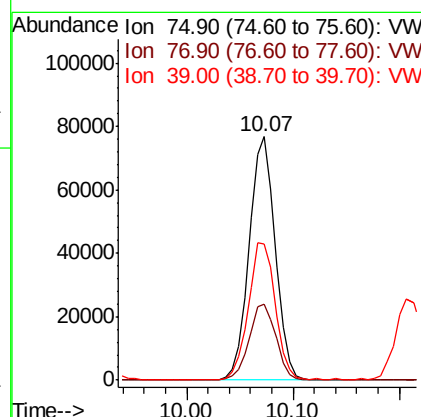
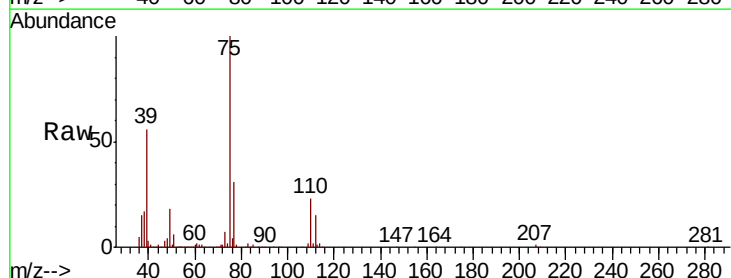
Manual Integrations
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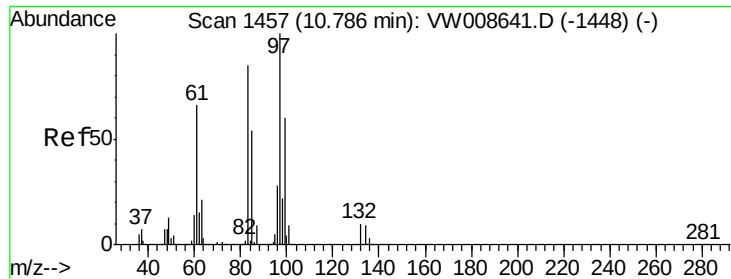
MMDadoda
2/18/2019 12:10:50 AM



#54
cis-1,3-Dichloropropene
Concen: 20.420 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion: 75 Resp: 132445
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 55.9 44.5 66.7





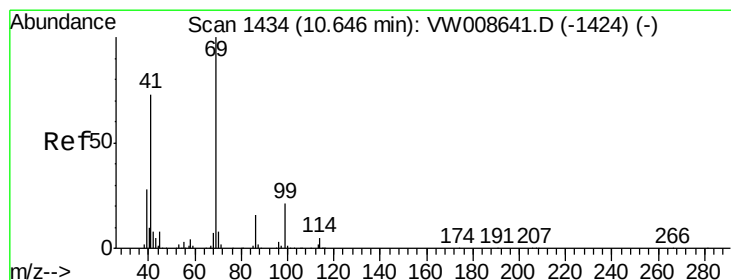
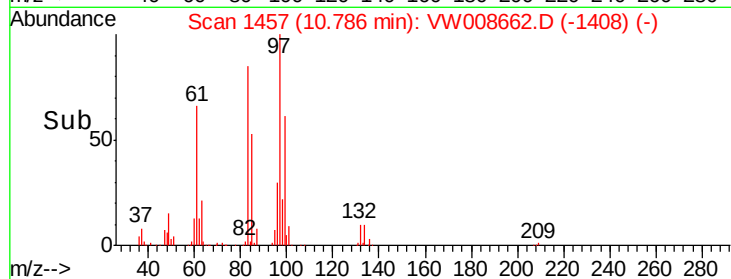
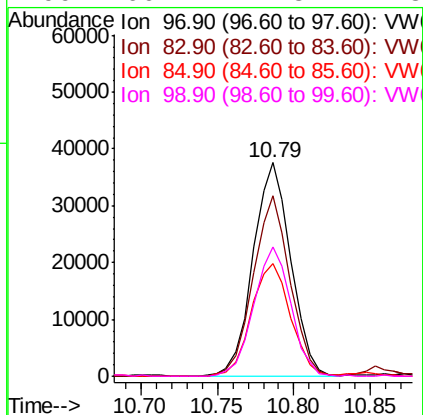
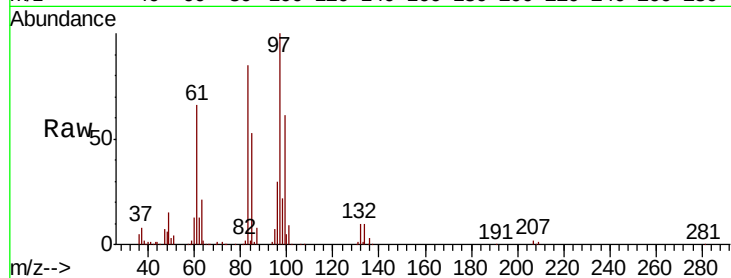
#55
 1,1,2-Trichloroethane
 Concen: 20.745 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tot Ion	97	Resp	64506
Ion Ratio	Lower	Upper	
97	100		
83	84.6	68.4	102.6
85	52.5	43.1	64.7
99	60.7	47.8	71.8

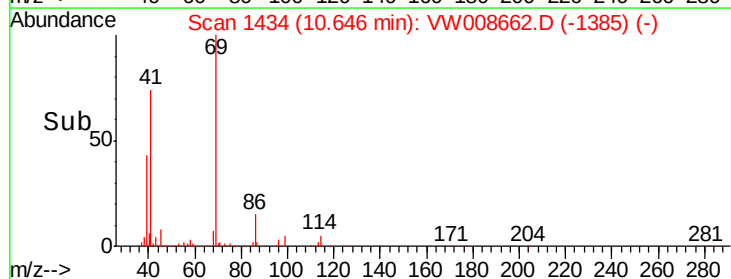
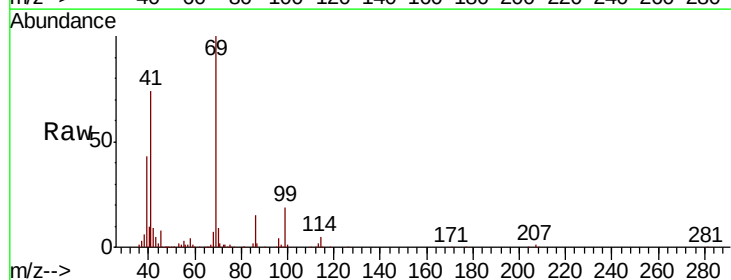
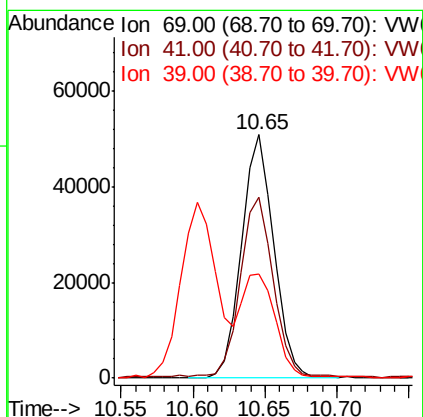
Manual Integrations
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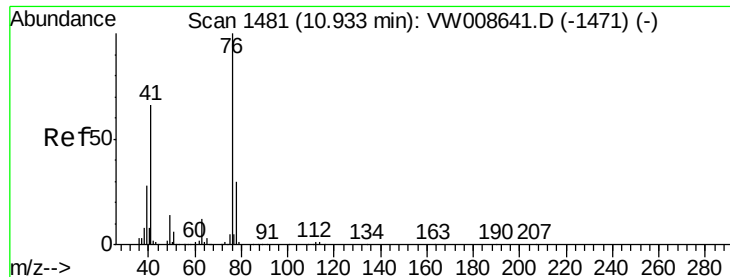
MMDadoda
 2/18/2019 12:10:50 AM



#56
 Ethyl methacrylate
 Concen: 19.109 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	69	Resp	78900
Ion Ratio	Lower	Upper	
69	100		
41	74.0	59.0	88.4
39	44.7	34.4	51.6





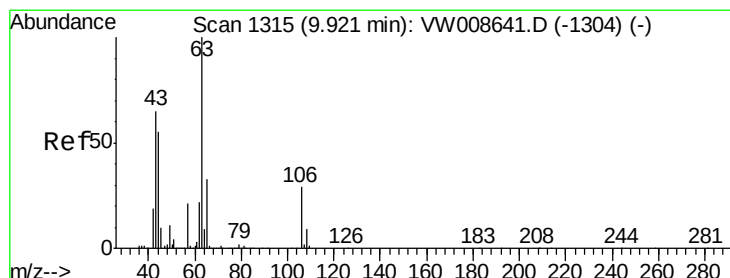
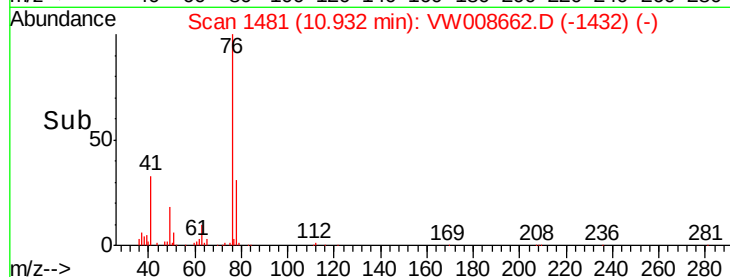
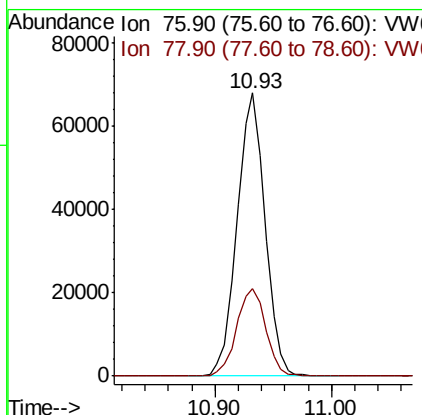
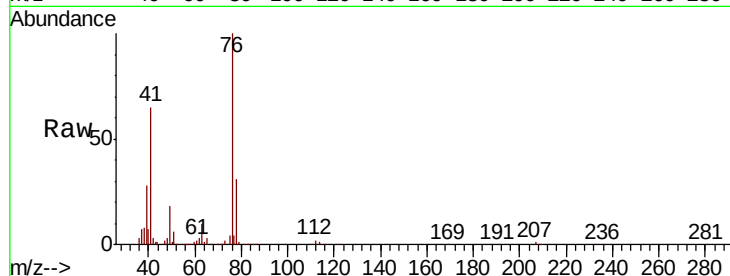
#57
 1,3-Dichloropropane
 Concen: 20.615 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion: 76 Resp: 113732
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0

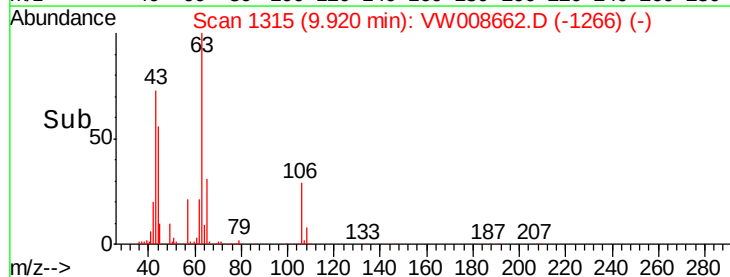
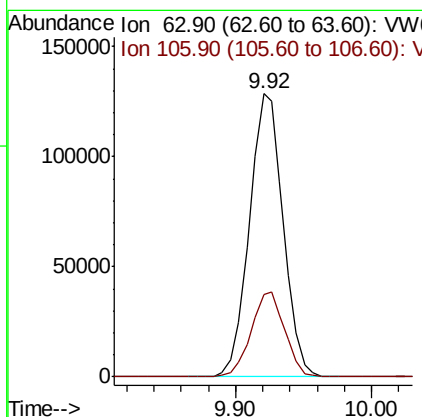
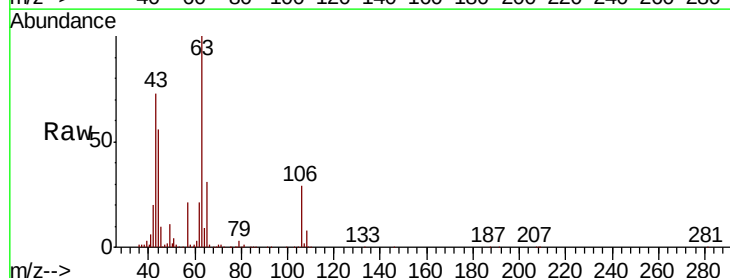
Manual Integrations
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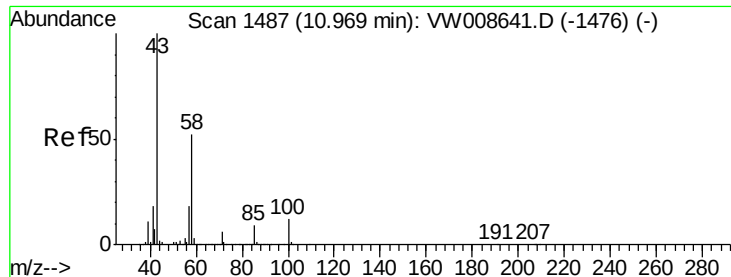
MMDadoda
 2/18/2019 12:10:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.825 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion: 63 Resp: 223473
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.4 35.2





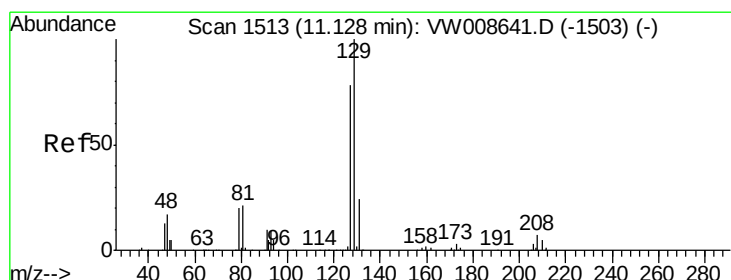
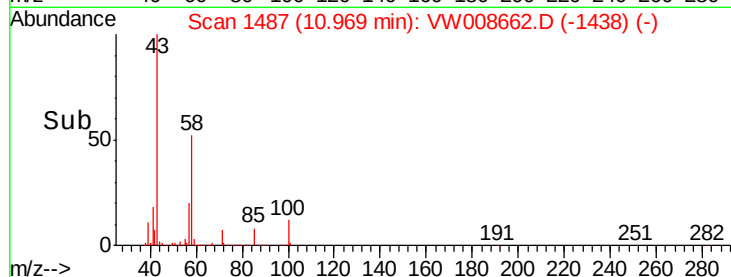
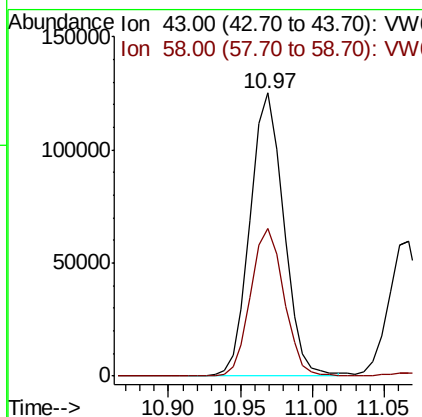
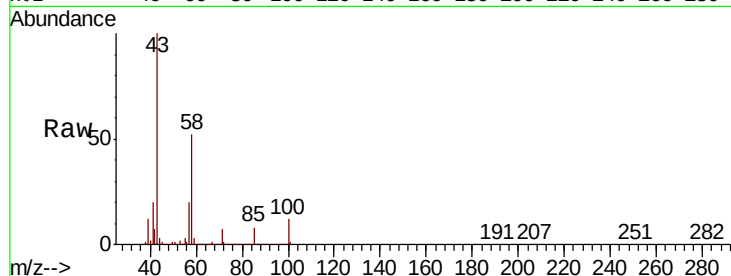
#59
2-Hexanone
Concen: 95.991 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.6	76.6

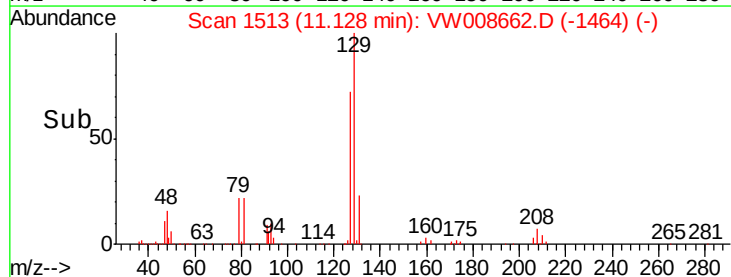
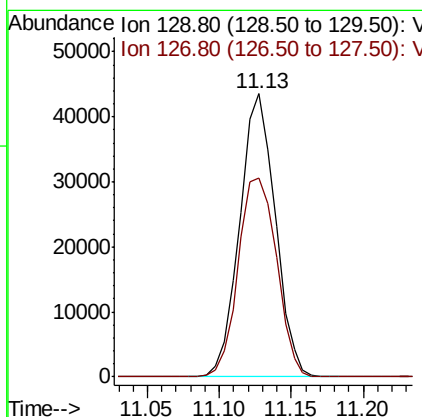
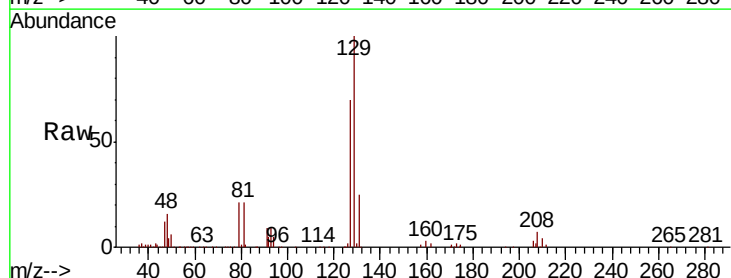
Manual Integrations
APPROVED

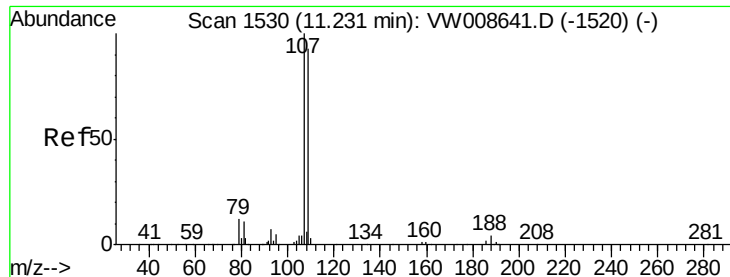
MMDadoda
2/18/2019 12:10:50 AM



#60
Dibromochloromethane
Concen: 20.030 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.5	115.3





#61

1,2-Dibromoethane

Concen: 20.487 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

Tot Ion: 107 Resp: 62723

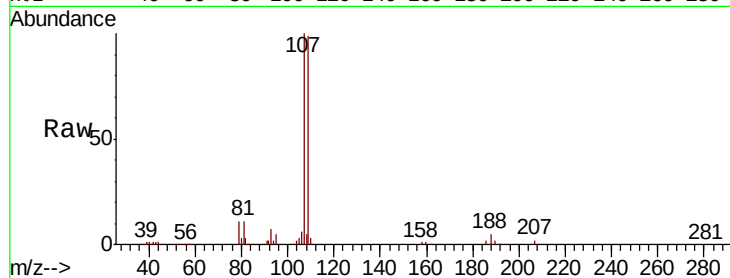
Ion Ratio Lower Upper

107 100

109 93.9 74.8 112.2

Manual Integrations
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MMDadoda
2/18/2019 12:10:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

40000

30000

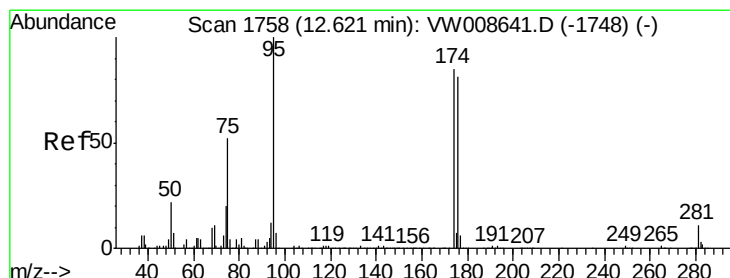
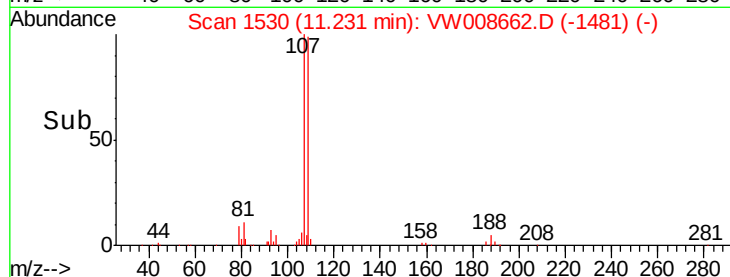
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 50.907 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

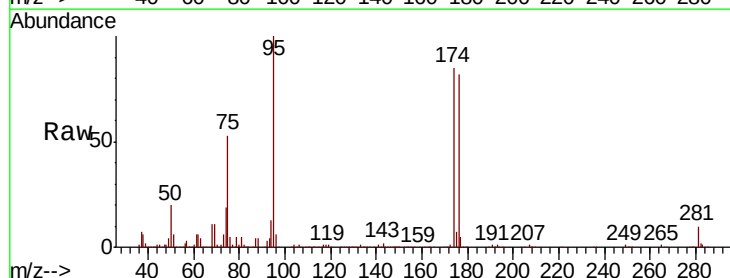
Tgt Ion: 95 Resp: 278060

Ion Ratio Lower Upper

95 100

174 82.9 0.0 163.2

176 80.5 0.0 158.0



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

200000

150000

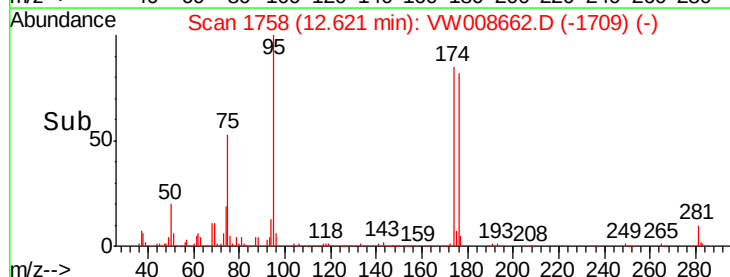
100000

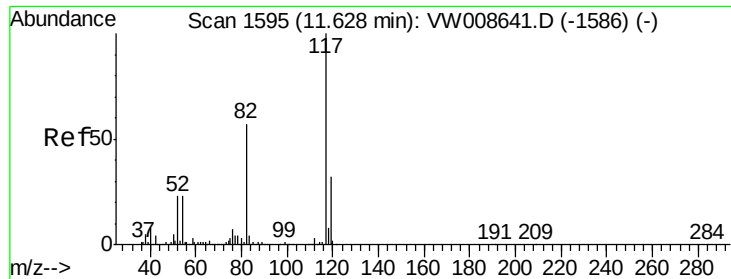
50000

0

Time-->

12.60 12.70





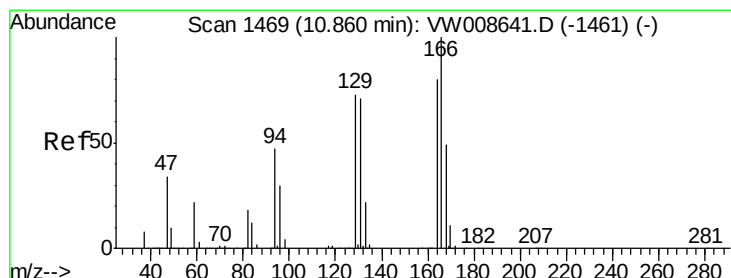
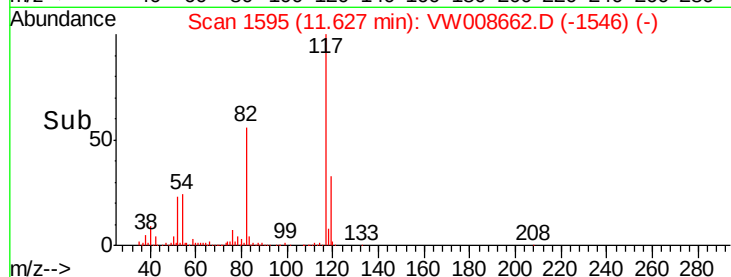
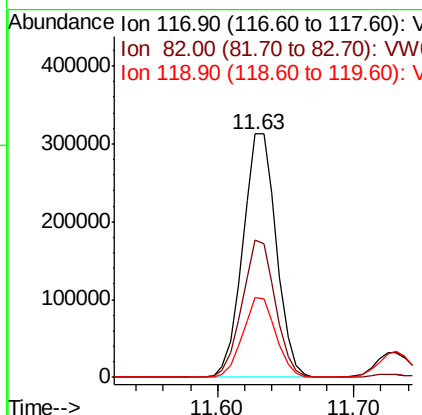
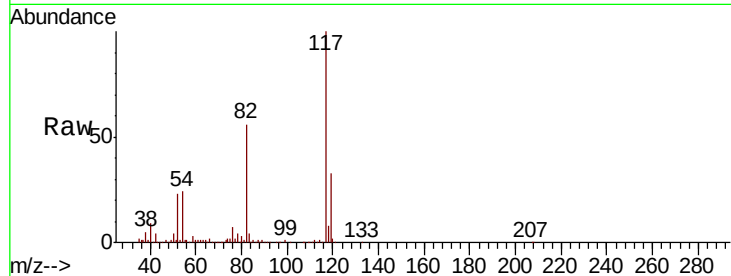
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	538123		
82	56.2		45.6	68.4
119	32.7		25.7	38.5

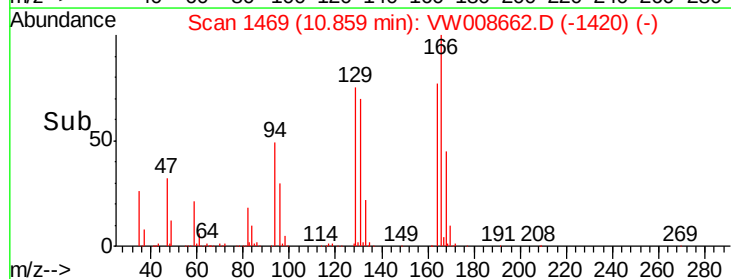
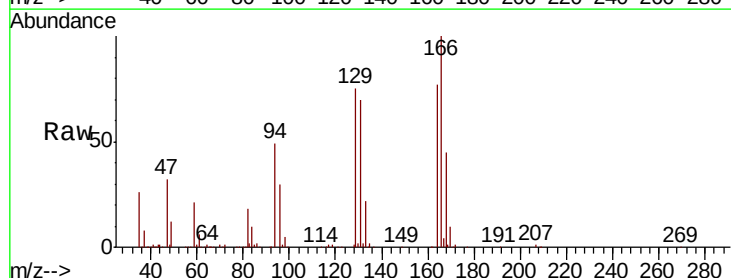
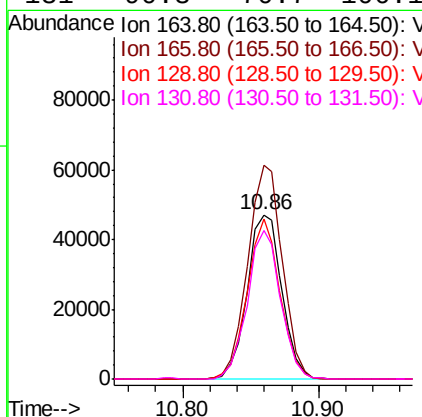
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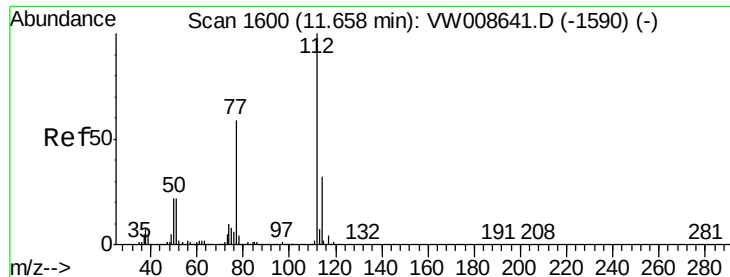
MMDadoda
2/18/2019 12:10:50 AM



#64
Tetrachloroethene
Concen: 21.024 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84133		
166	129.9		100.2	150.2
129	97.6		73.6	110.4
131	90.3		70.7	106.1





#65

Chlorobenzene

Concen: 21.409 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

Tot Ion:112 Resp: 248316

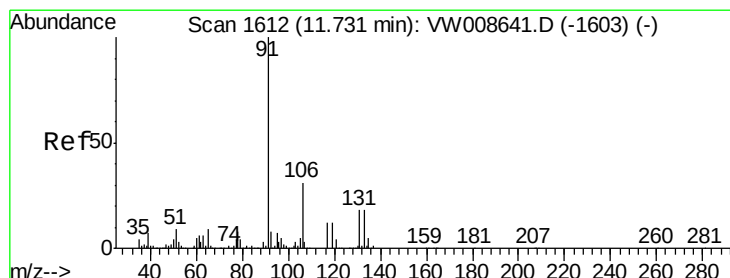
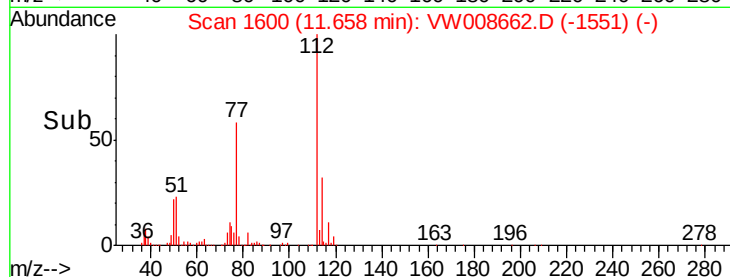
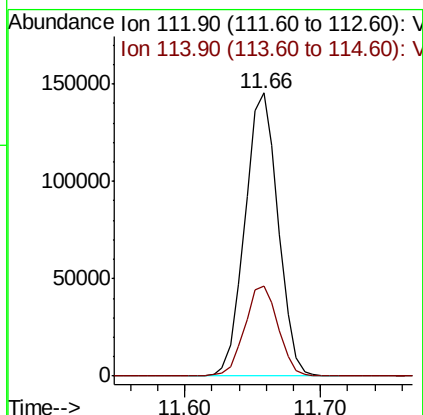
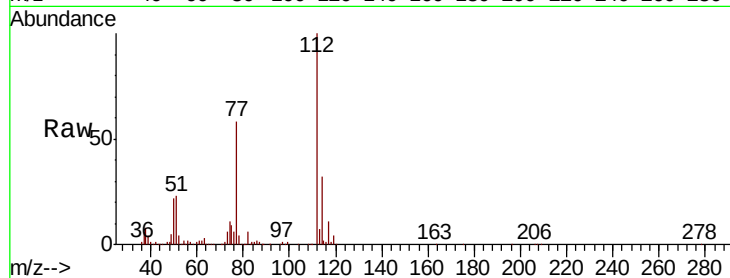
Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5

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2/18/2019 12:10:50 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.380 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

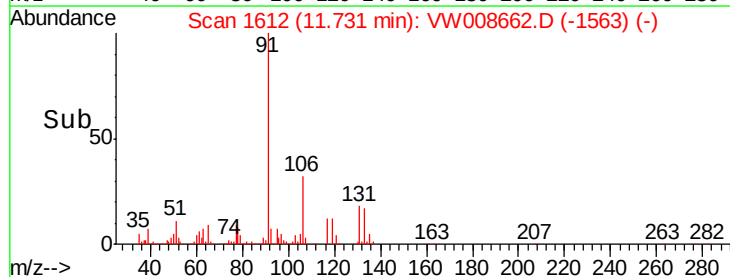
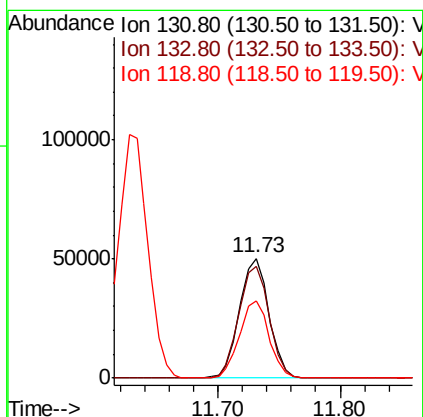
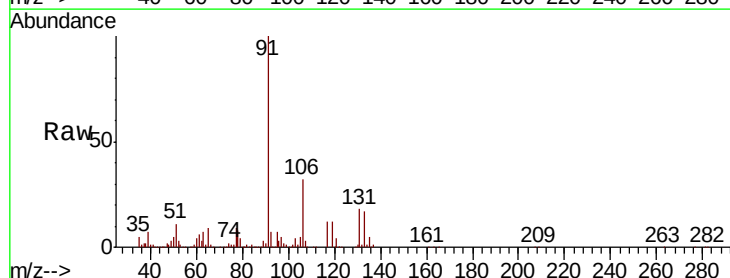
Tgt Ion:131 Resp: 83738

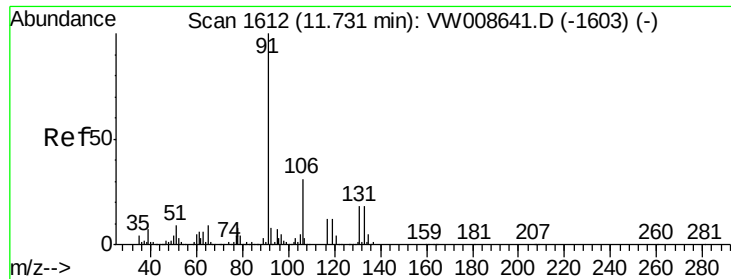
Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.4

119 65.5 31.6 94.8





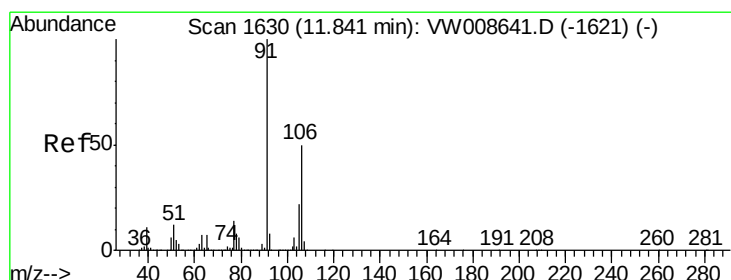
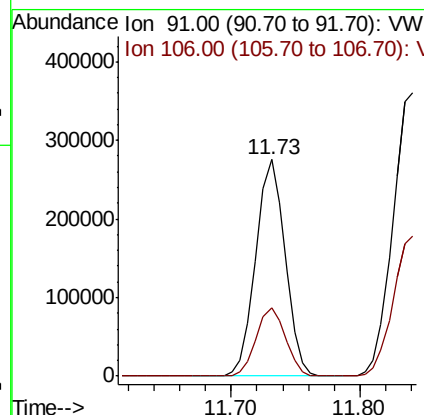
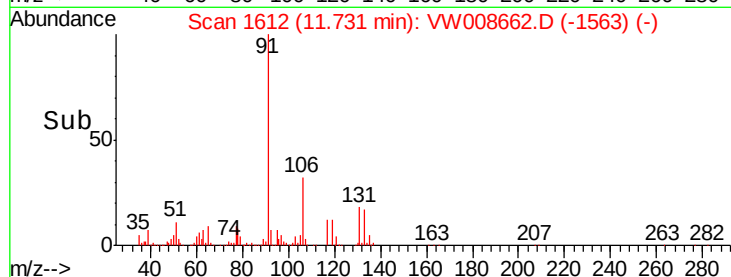
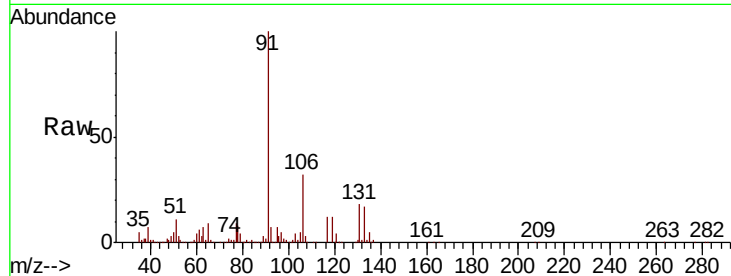
#67
Ethyl Benzene
Concen: 21.001 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.6	24.5	36.7	

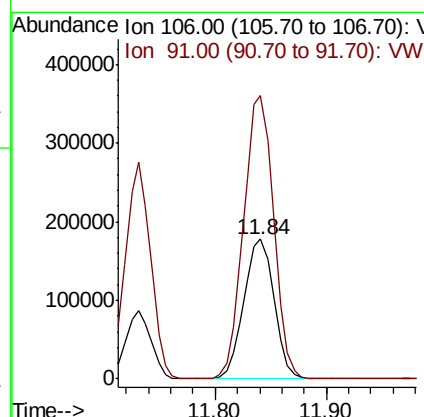
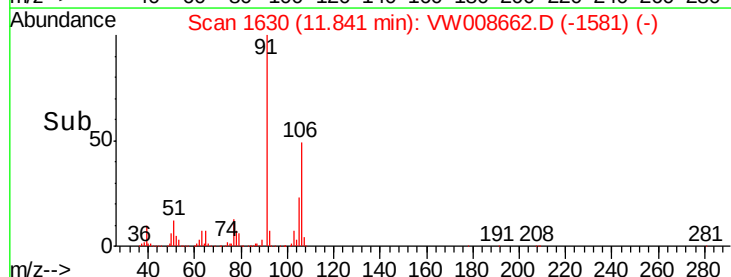
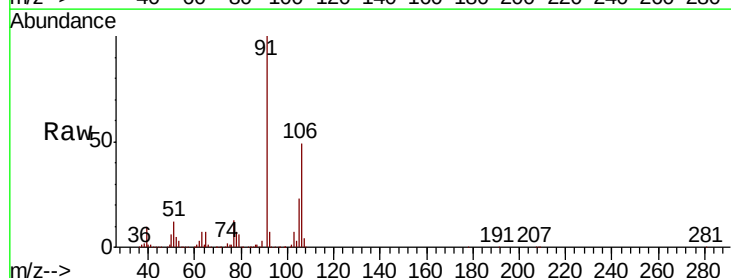
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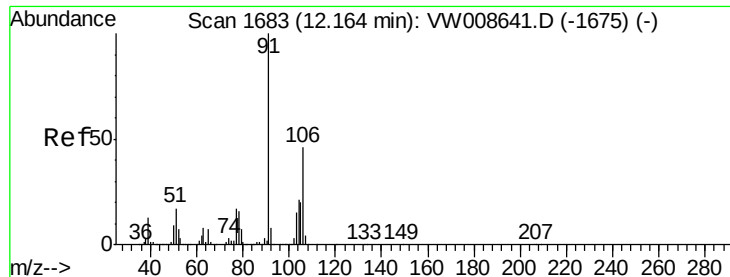
MMDadoda
2/18/2019 12:10:50 AM



#68
m/p-Xylenes
Concen: 41.664 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.5	161.0	241.4	





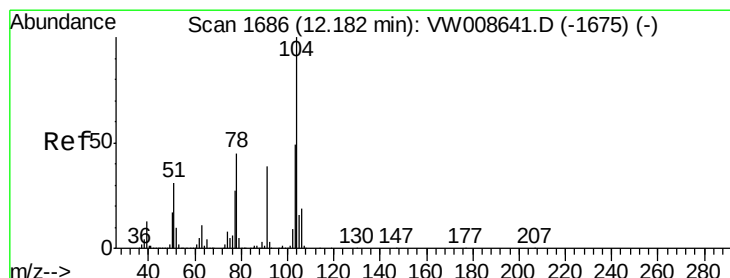
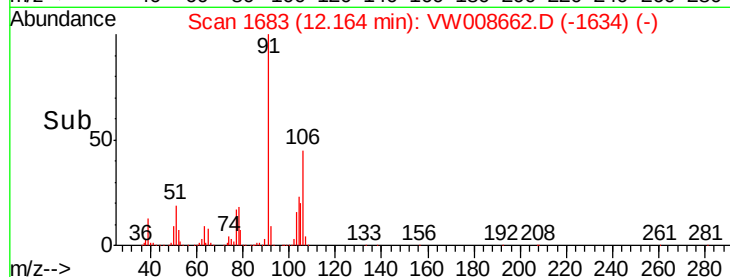
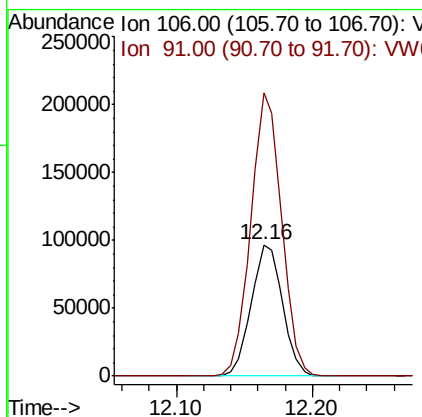
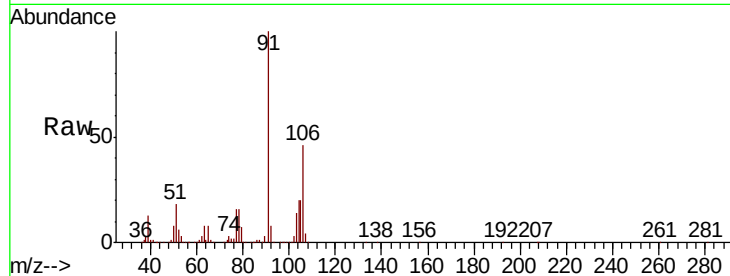
#69
o-Xylene
Concen: 20.650 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	106.7	320.1

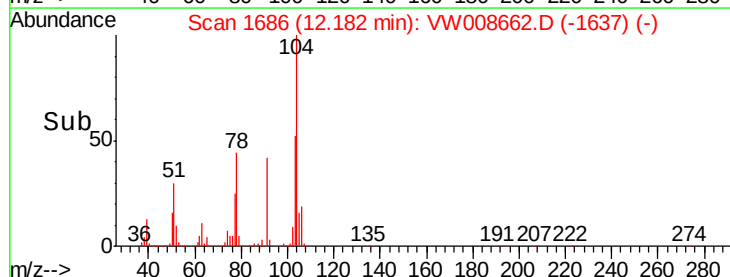
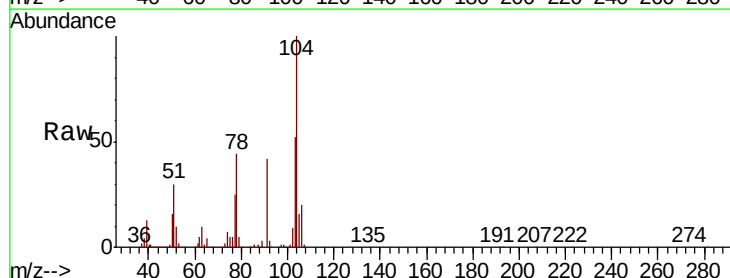
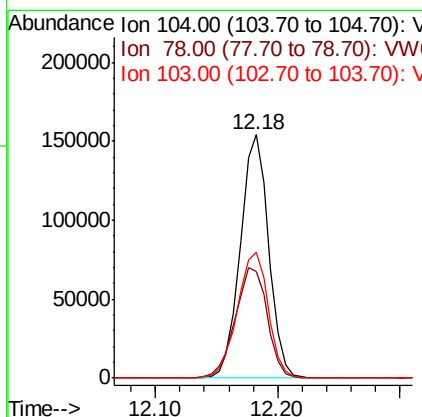
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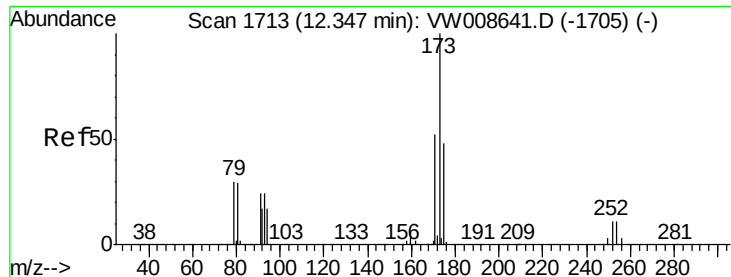
MMDadoda
2/18/2019 12:10:50 AM



#70
Styrene
Concen: 19.973 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.5	62.3
103	56.7	43.5	65.3





#71

Bromoform

Concen: 19.153 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

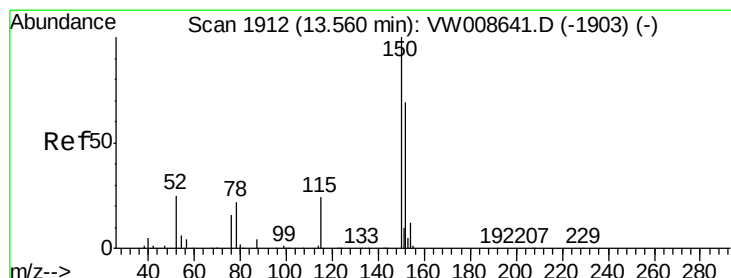
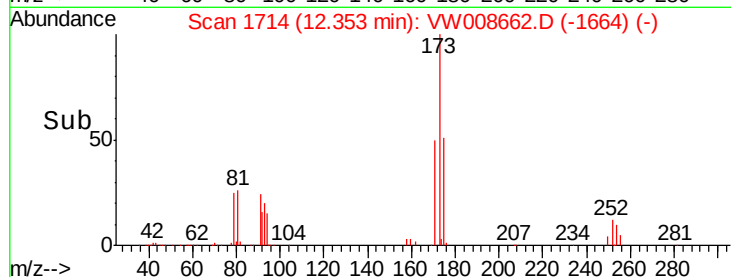
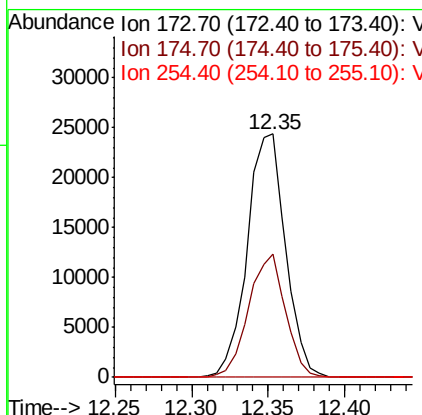
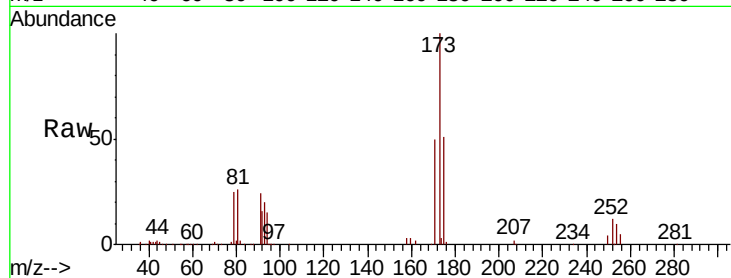
ClientSampleId :

VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.7
254	0.0	0.1	0.1#

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2/18/2019 12:10:50 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

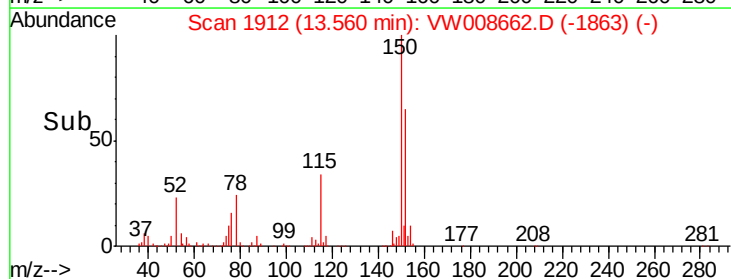
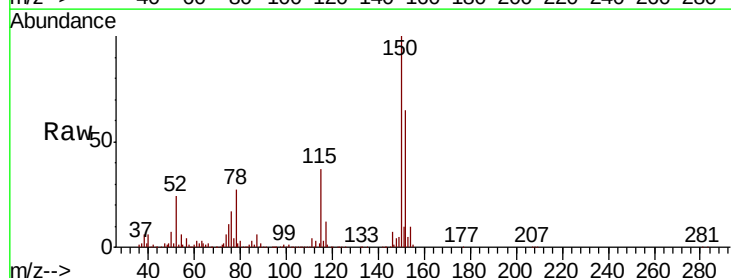
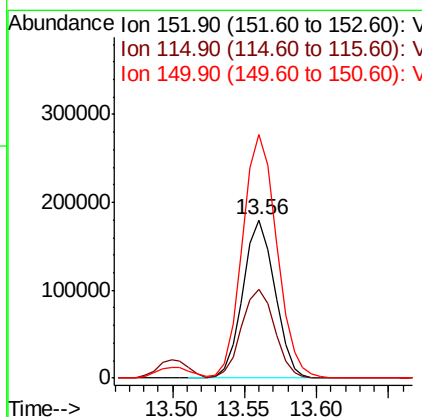
RT: 13.56 min Scan# 1912

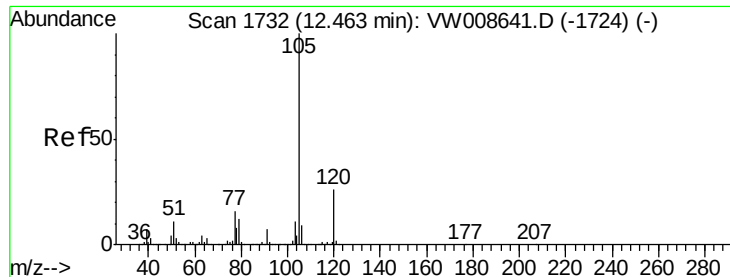
Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	87.8
150	164.8	0.0	352.8





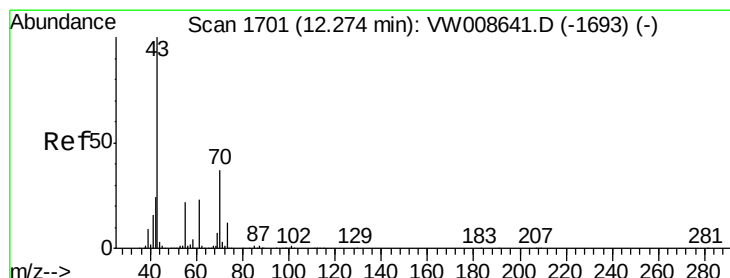
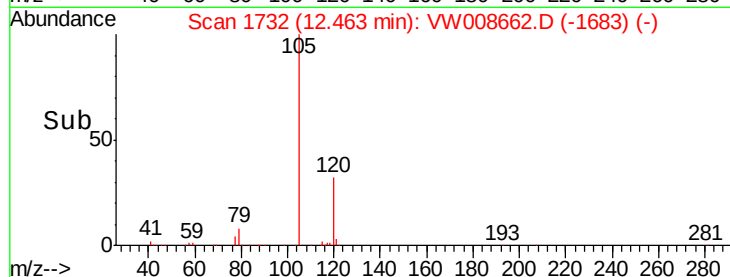
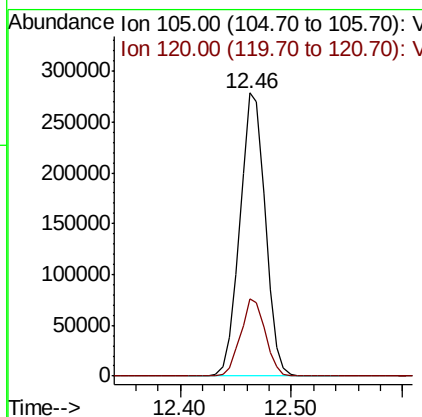
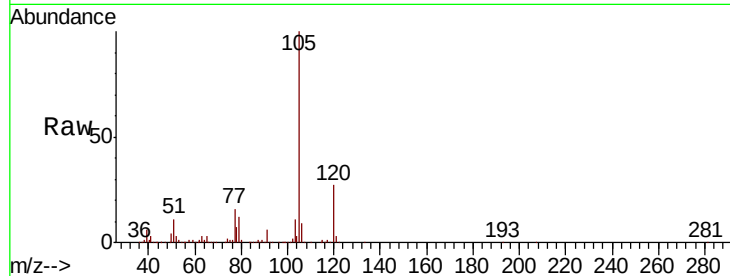
#73
Isopropylbenzene
Concen: 21.201 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

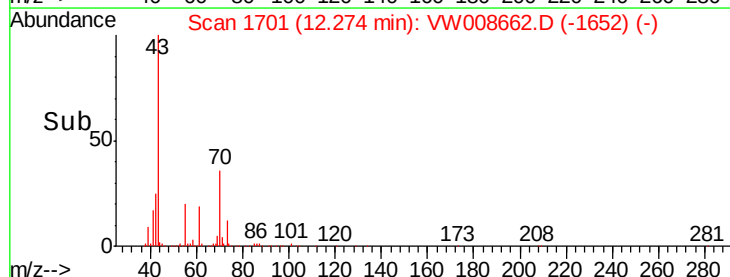
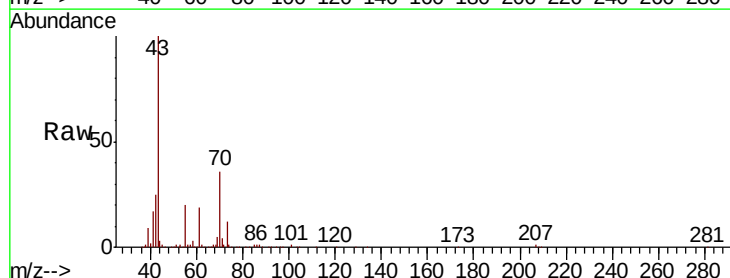
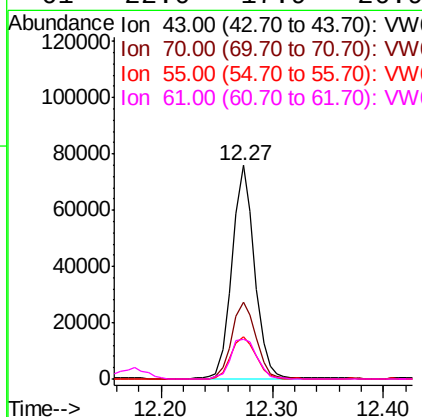
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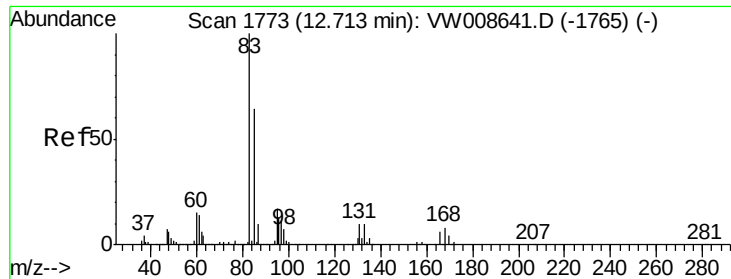
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2/18/2019 12:10:50 AM



#74
N-ethyl acetate
Concen: 19.207 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.4	30.5	45.7
55	22.1	17.6	26.4
61	22.0	17.9	26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.895 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

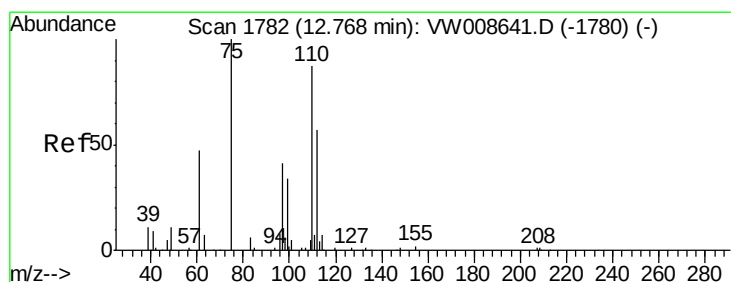
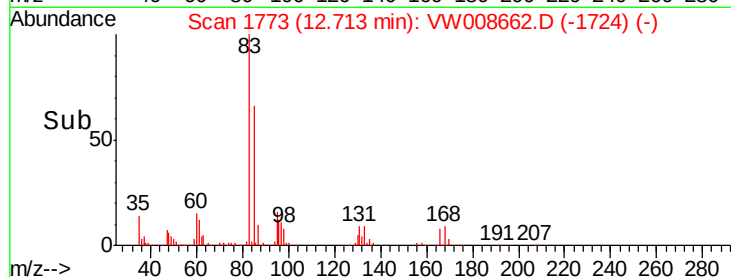
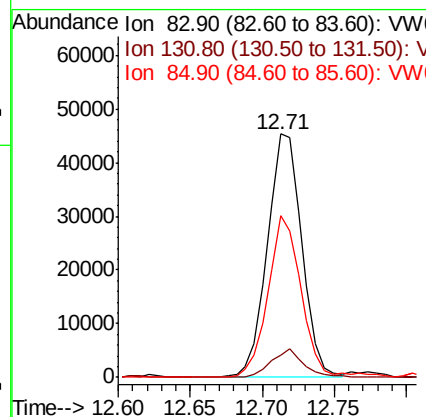
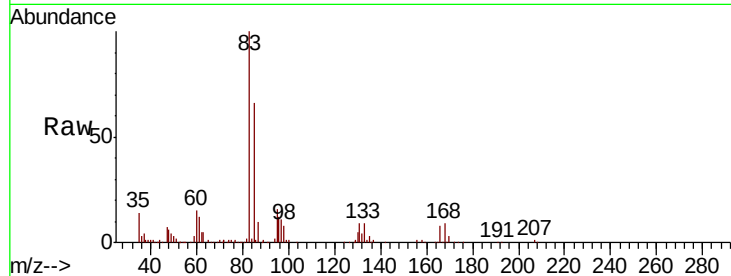
ClientSampleId :

VW0214SBSD01

Tot Ion:	83	Resp:	75304
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	63.6	31.8	95.3

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#76

1,2,3-Trichloropropane

Concen: 19.333 ug/l m

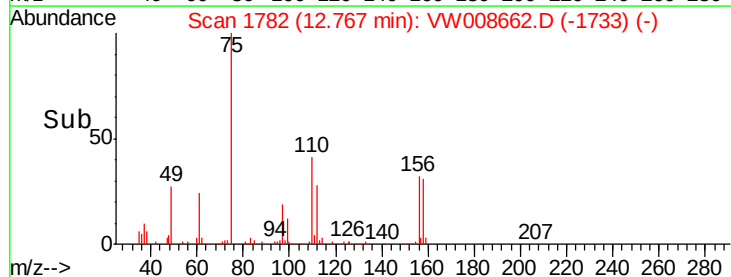
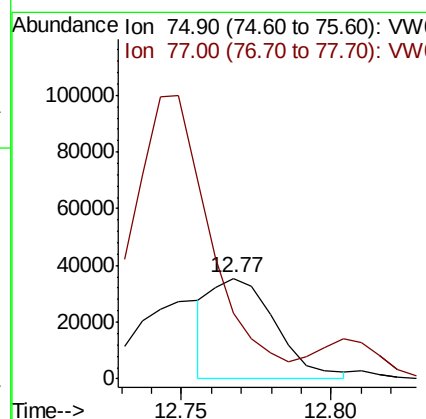
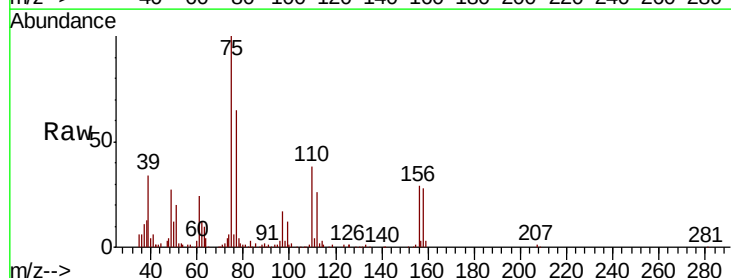
RT: 12.77 min Scan# 1782

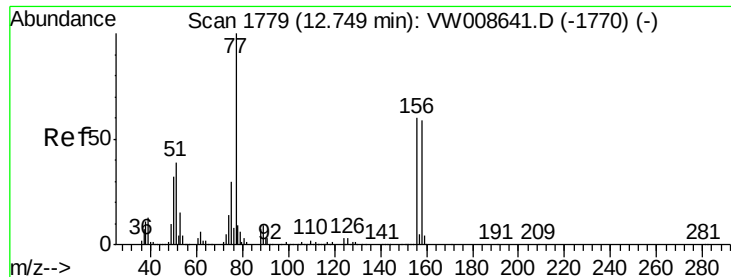
Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion:	75	Resp:	53086
Ion Ratio	Lower	Upper	
75	100		
77	344.3	0.0	0.0#





#77

Bromobenzene

Concen: 21.299 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

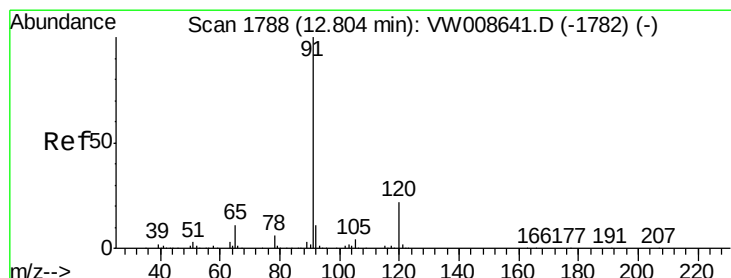
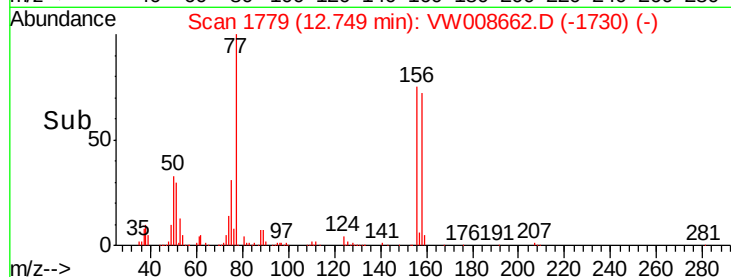
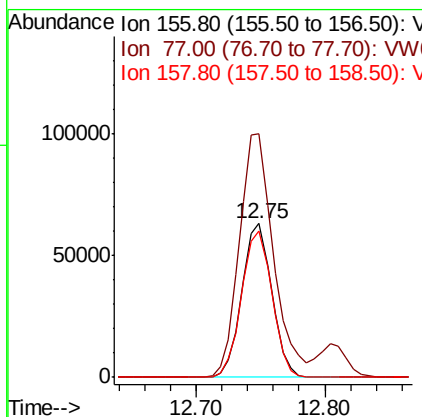
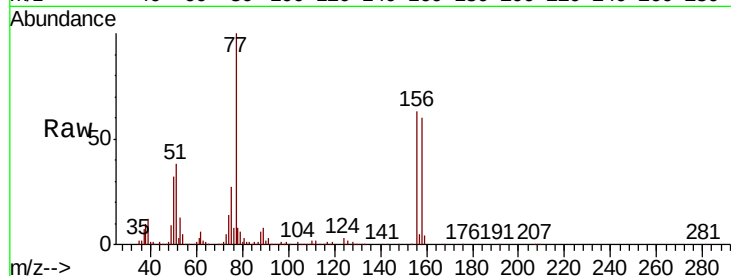
ClientSampleId :

VW0214SBSD01

Tot Ion:	156	Resp:	101413
Ion Ratio	Lower	Upper	
156	100		
77	180.2	93.2	279.5
158	96.7	48.5	145.5

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2/18/2019 12:10:50 AM



#78

n-propylbenzene

Concen: 21.486 ug/l

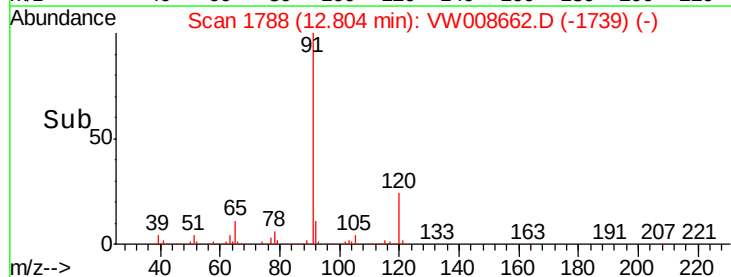
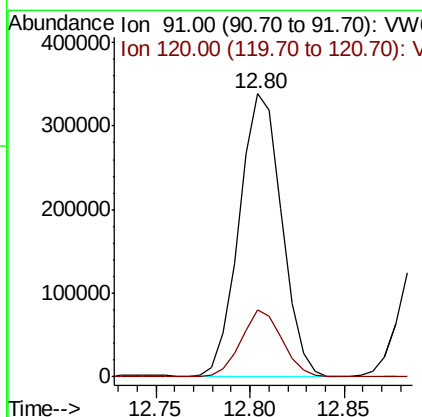
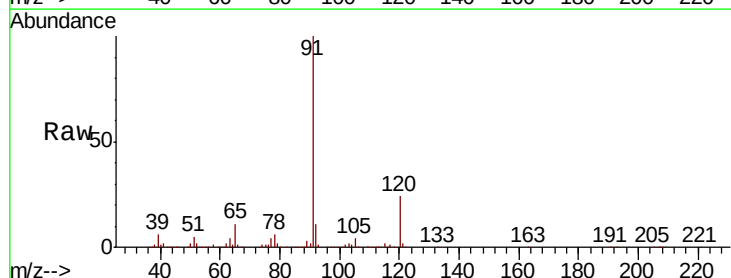
RT: 12.80 min Scan# 1788

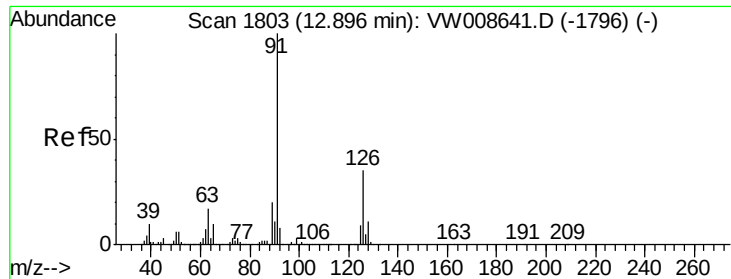
Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion:	91	Resp:	528814
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.4	34.2





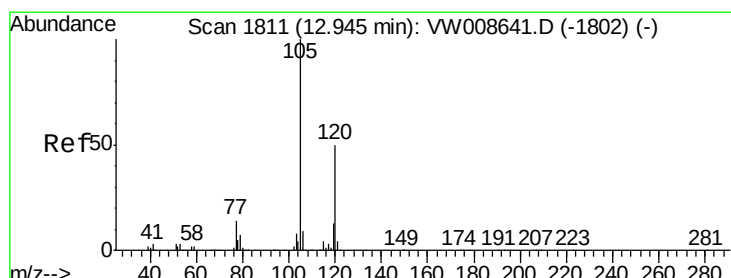
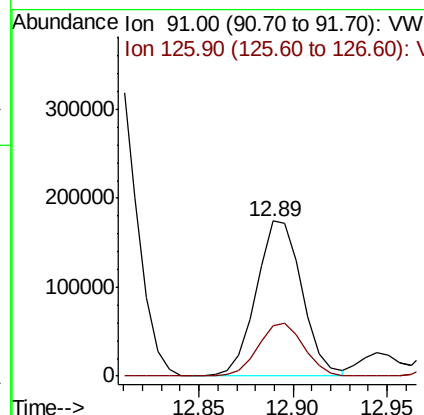
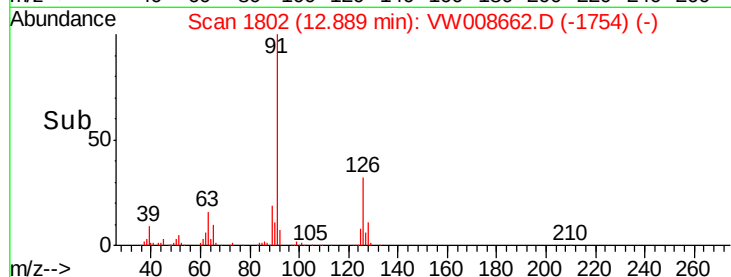
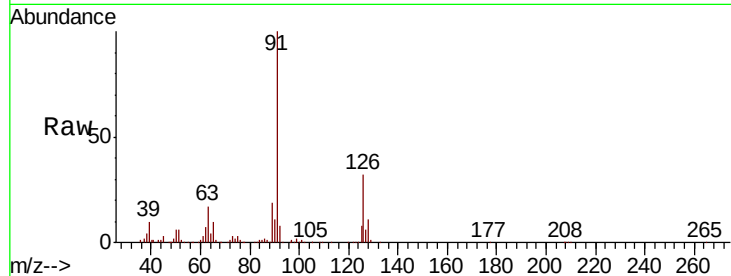
#79
 2-Chlorotoluene
 Concen: 21.062 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tot Ion: 91 Resp: 292972
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.0 50.9

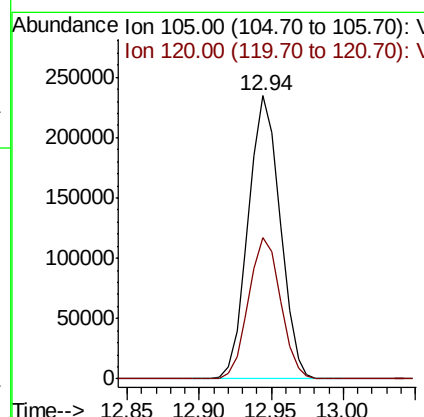
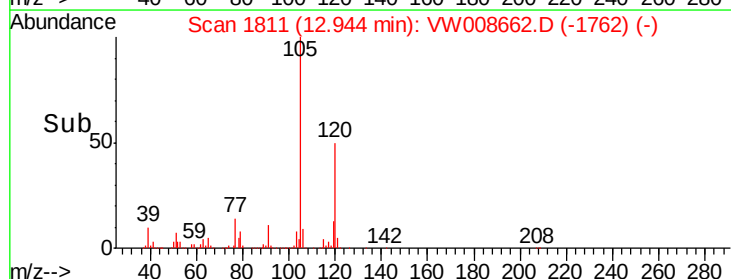
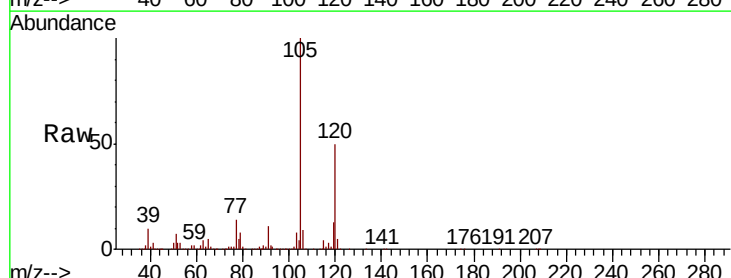
Manual Integrations
 APPROVED

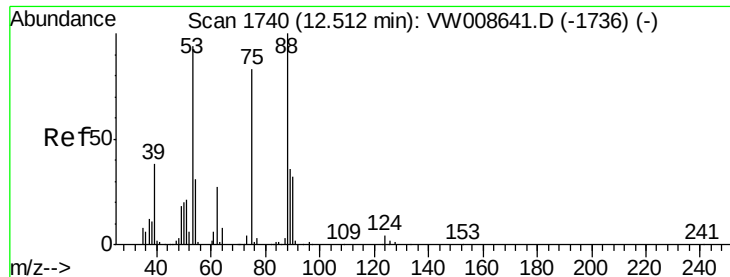
MMDadoda
 2/18/2019 12:10:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.895 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion:105 Resp: 359500
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.6 73.8





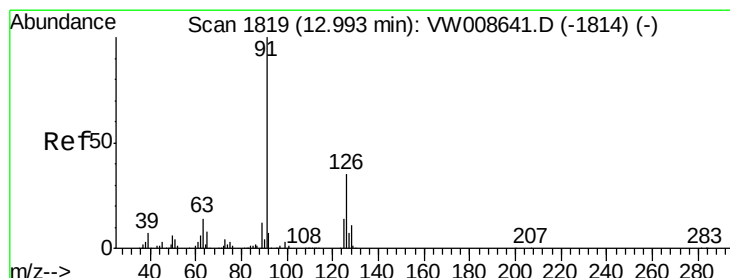
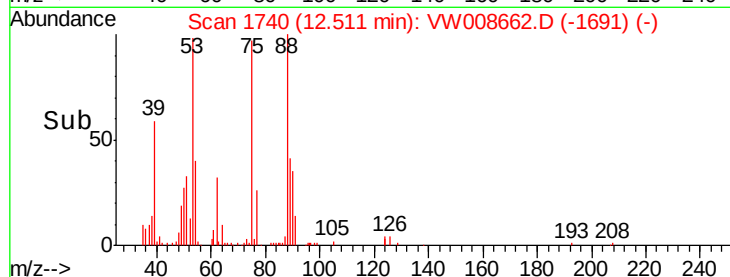
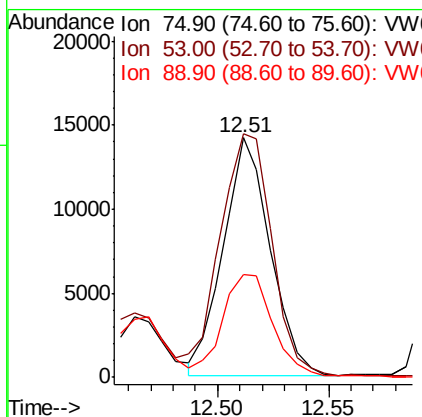
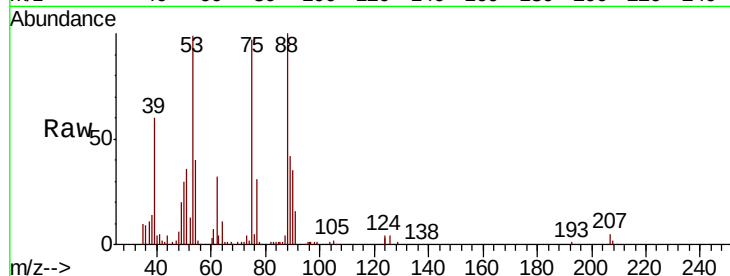
#81
trans-1,4-Dichloro-2-butene
Concen: 18.364 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.4	87.4	131.0
89	47.0	37.0	55.4

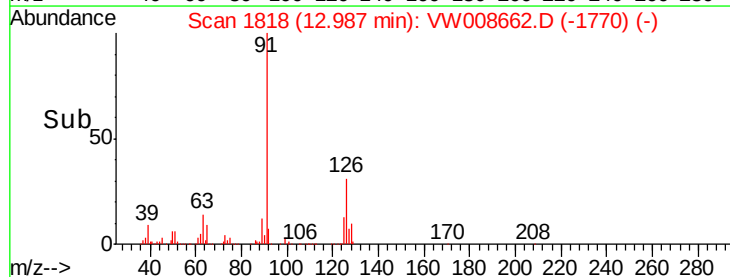
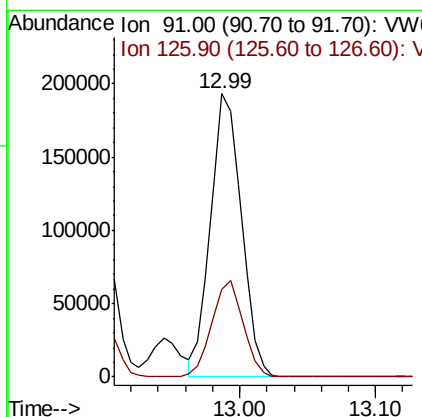
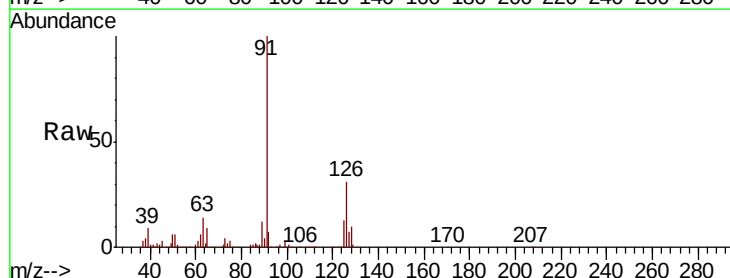
Manual Integrations
APPROVED

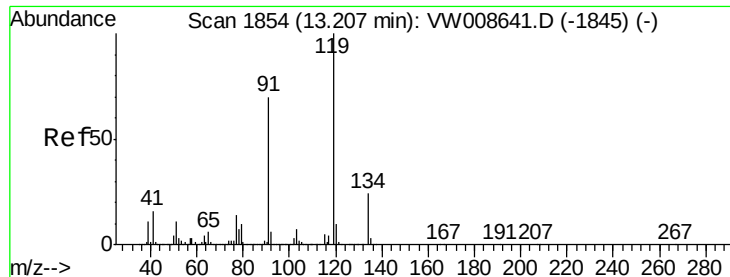
MMDadoda
2/18/2019 12:10:50 AM



#82
4-Chlorotoluene
Concen: 20.631 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.9	50.7





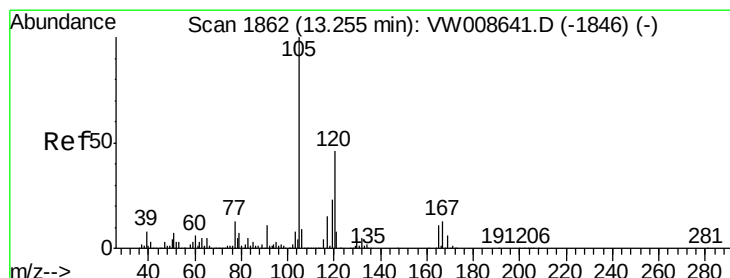
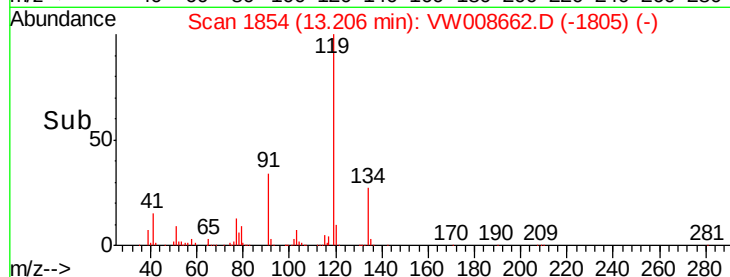
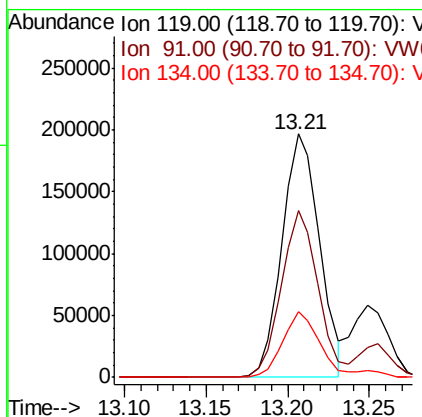
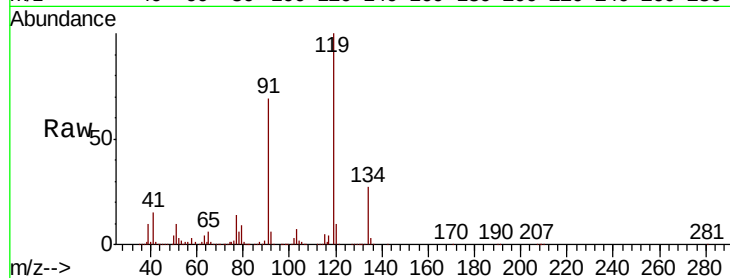
#83
 tert-Butylbenzene
 Concen: 21.083 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.0	102.0
134	28.4	13.6	40.8

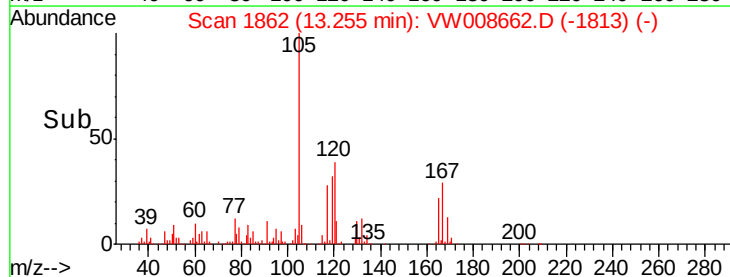
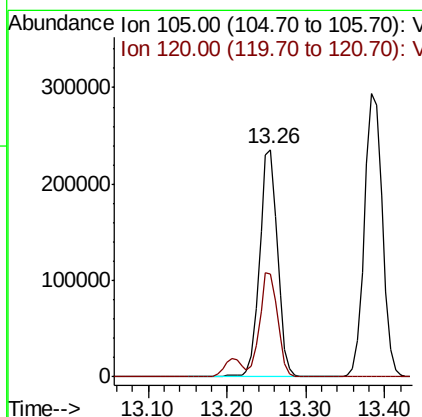
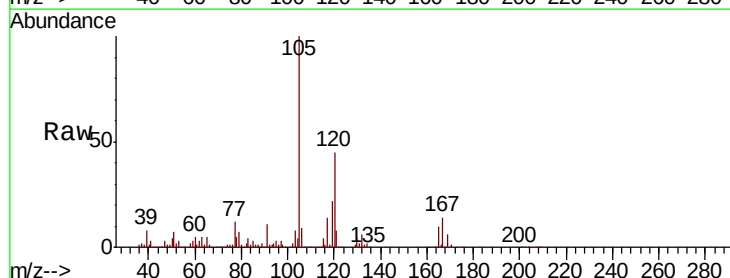
Manual Integrations
 APPROVED

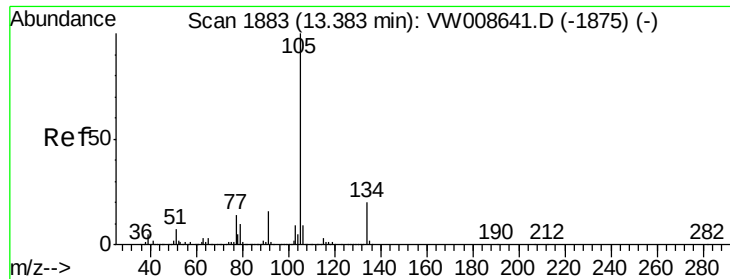
MMDadoda
 2/18/2019 12:10:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.972 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.8





#85

sec-Butylbenzene

Concen: 21.298 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion:105 Resp: 463290

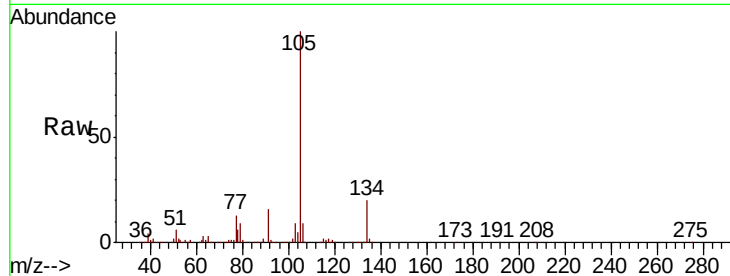
Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.8

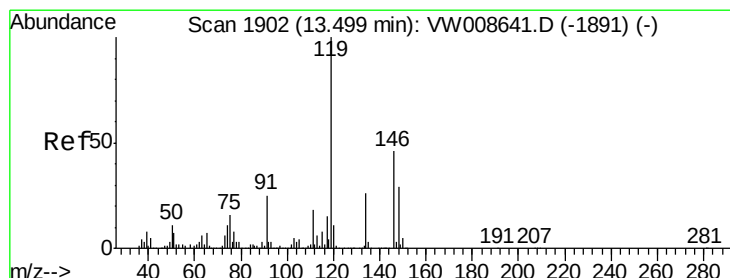
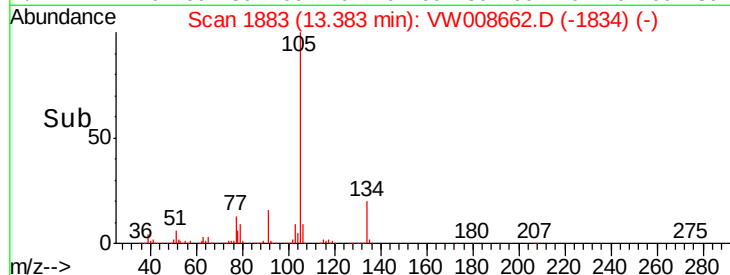
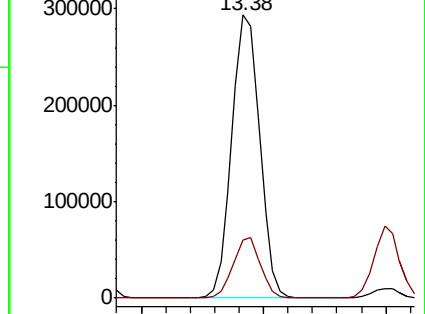
Manual Integrations
APPROVED

MMDadoda
2/18/2019 12:10:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.900 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

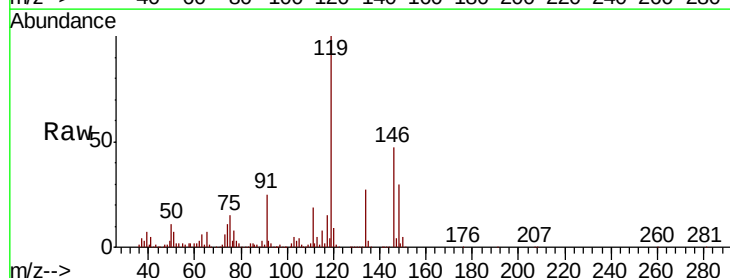
Tgt Ion:119 Resp: 406723

Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

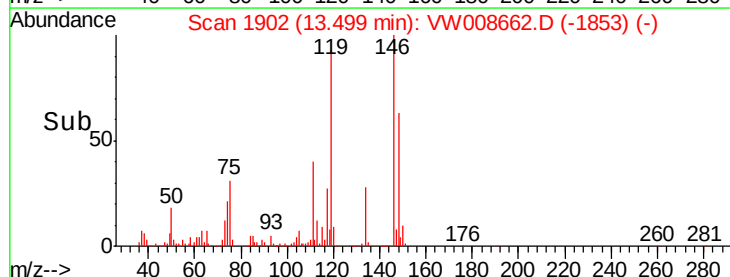
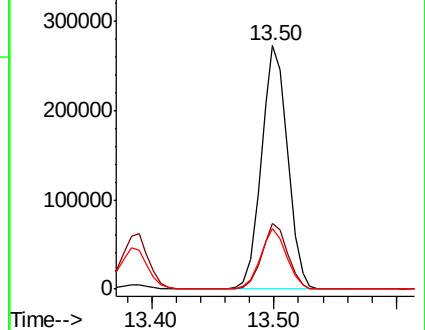
91 24.5 12.3 36.9

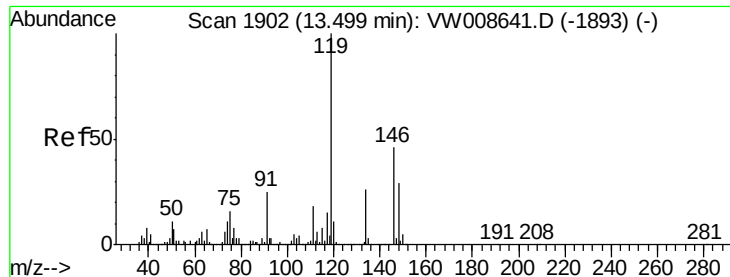


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





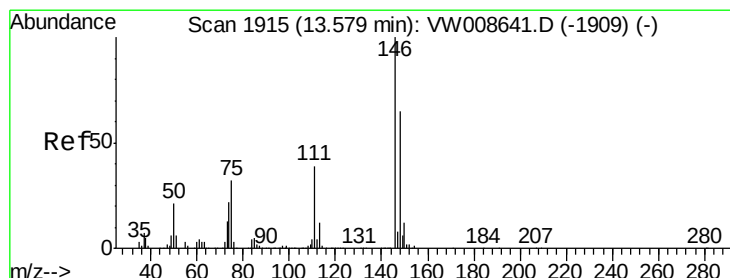
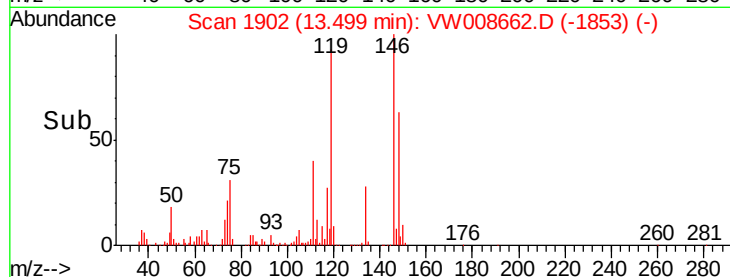
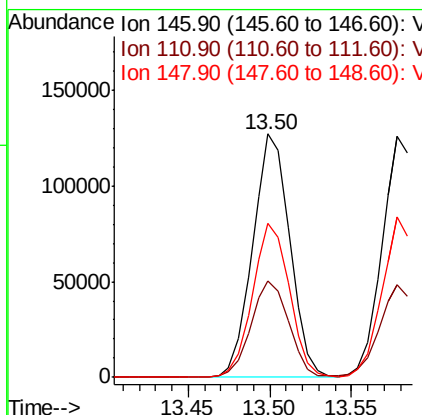
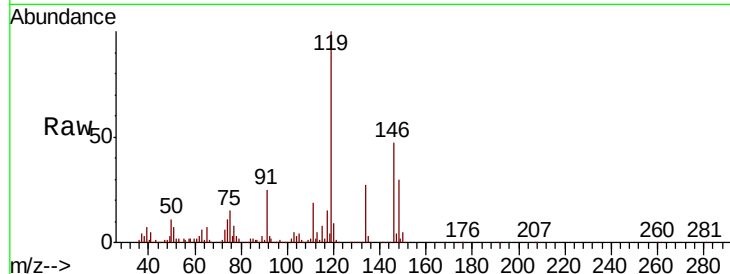
#87
 1,3-Dichlorobenzene
 Concen: 20.877 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	201511		
111	40.1	19.4	58.1	
148	63.1	31.6	94.8	

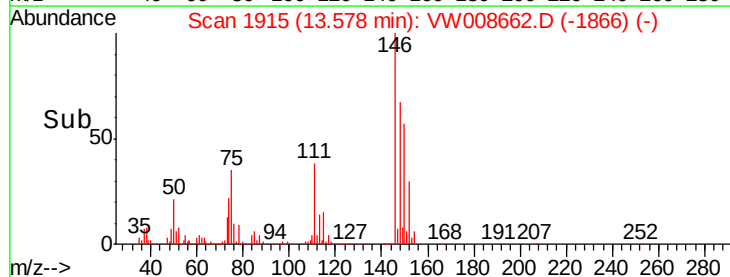
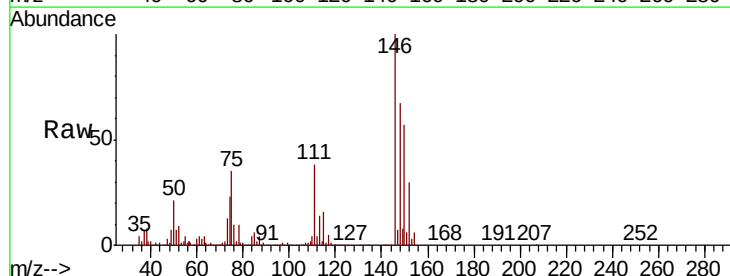
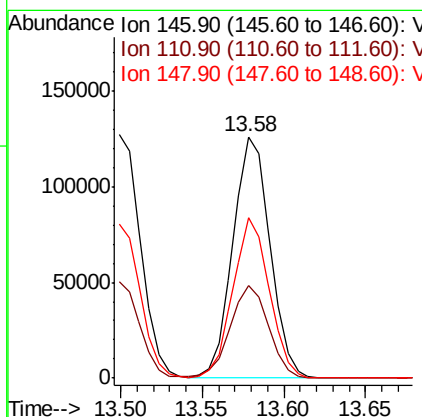
Manual Integrations
 APPROVED

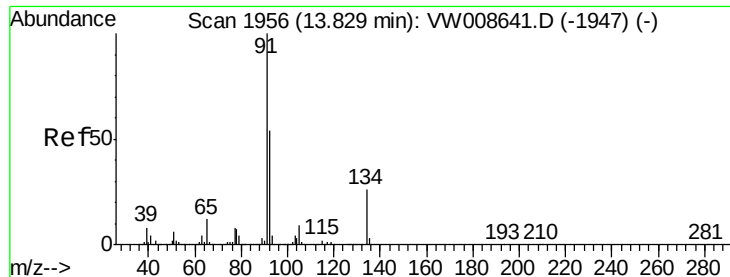
MMDadoda
 2/18/2019 12:10:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.116 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	200870		
111	39.8	19.4	58.1	
148	64.9	31.8	95.4	





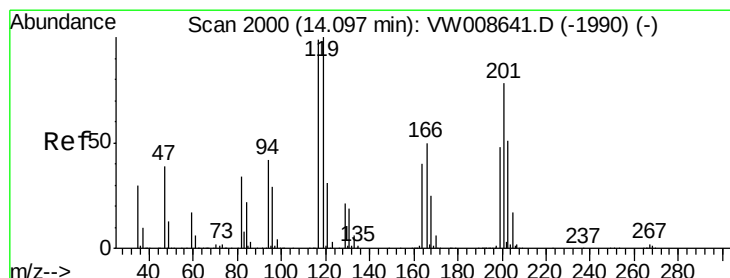
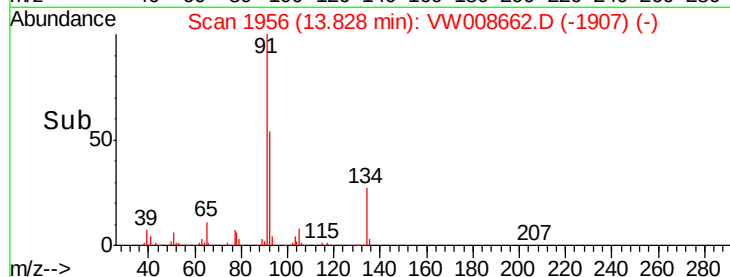
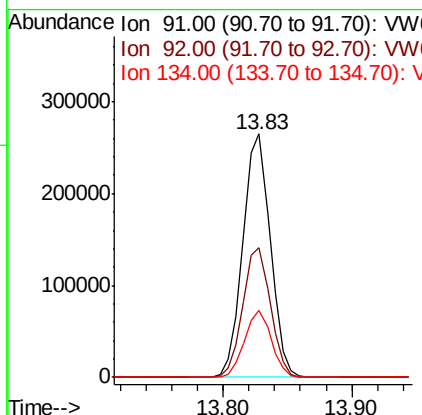
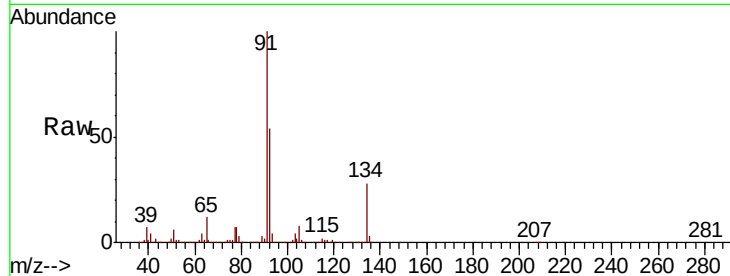
#89
n-Butylbenzene
Concen: 21.011 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampled :
VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.4
134	26.9	13.0	39.0

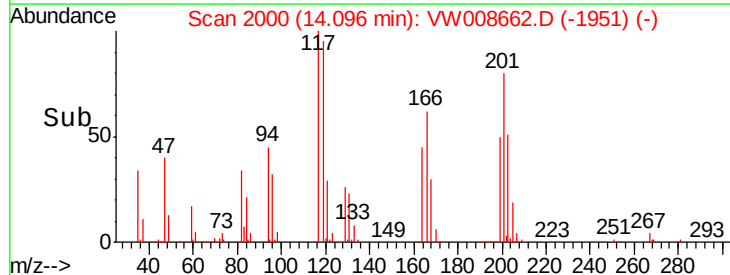
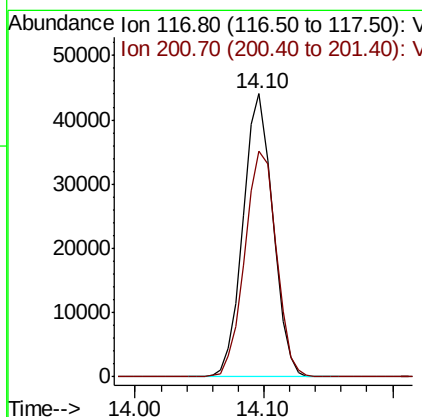
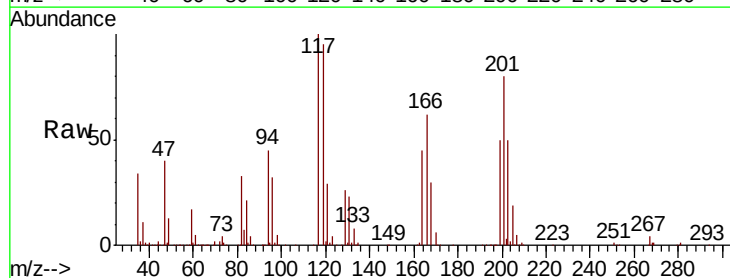
Manual Integrations
APPROVED

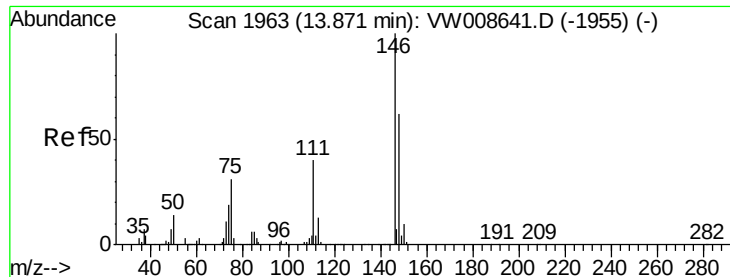
MMDadoda
2/18/2019 12:10:50 AM



#90
Hexachloroethane
Concen: 20.754 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	38.7	116.1





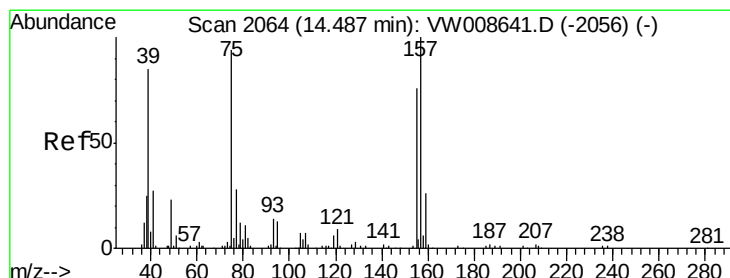
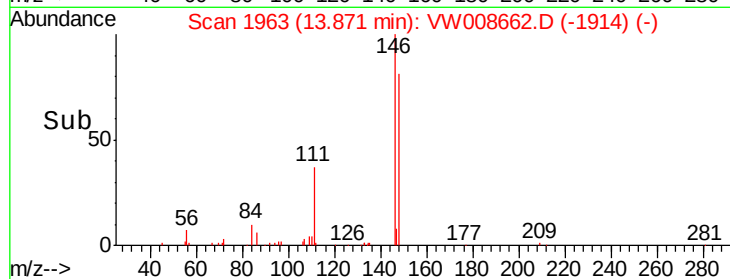
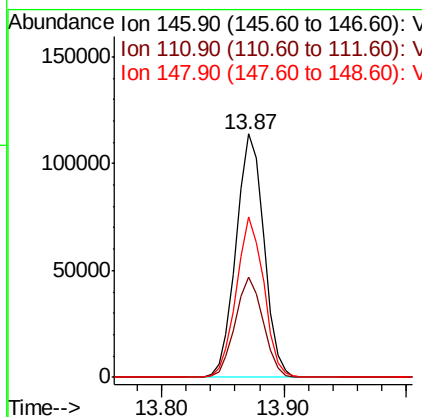
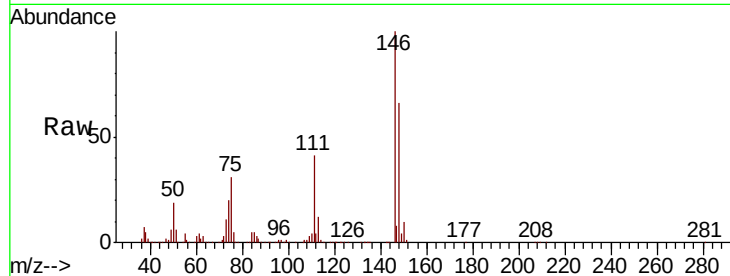
#91
 1,2-Dichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	64.7	31.6	94.8

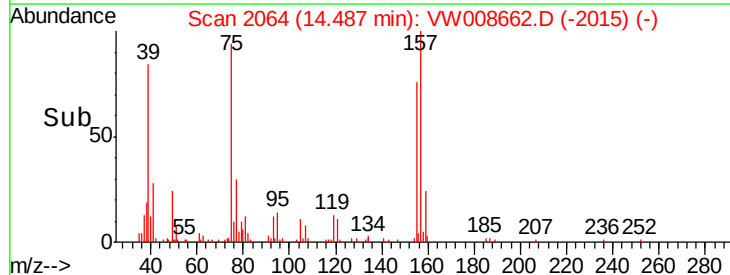
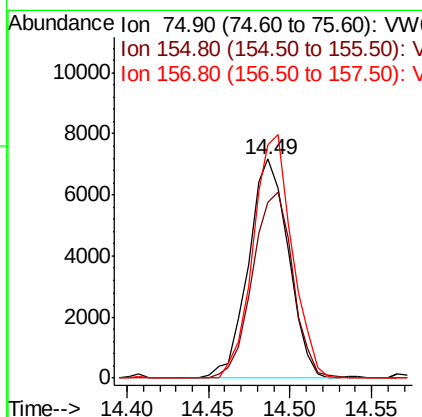
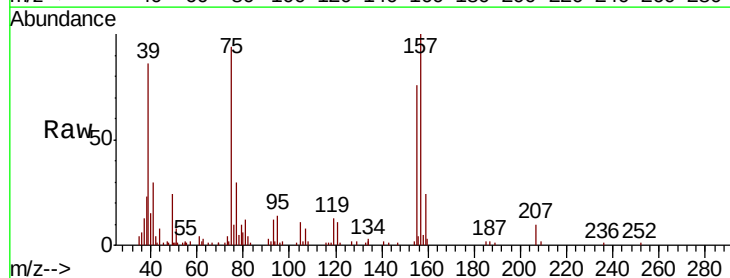
Manual Integrations
 APPROVED

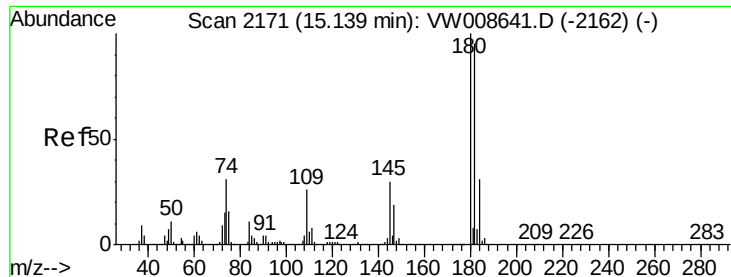
MMDadoda
 2/18/2019 12:10:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.509 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	41.8	125.4
157	108.4	53.8	161.4





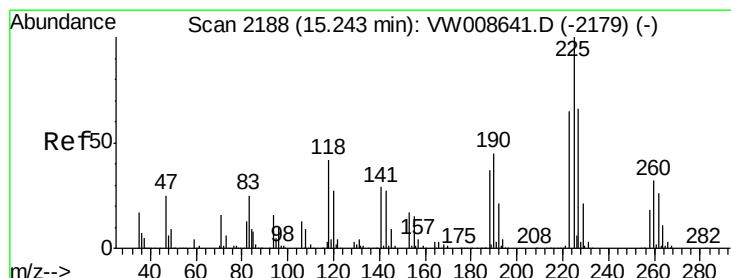
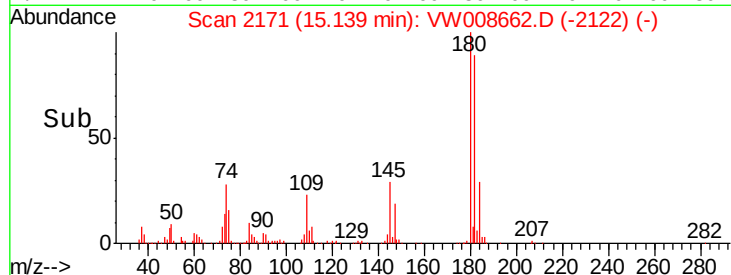
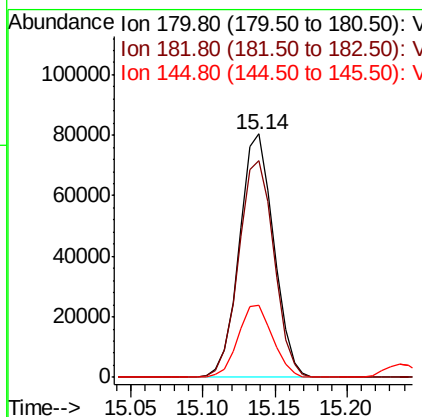
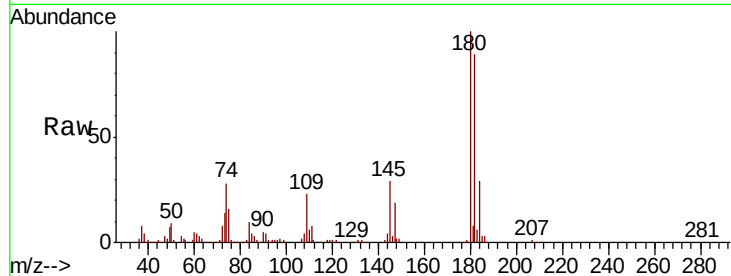
#93
 1,2,4-Trichlorobenzene
 Concen: 21.889 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0214SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	133253		
182	91.4	47.5	142.5	
145	30.0	15.1	45.3	

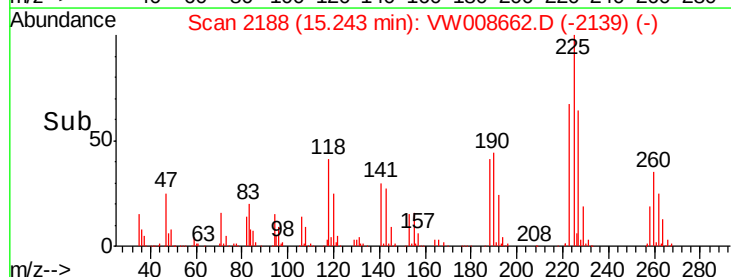
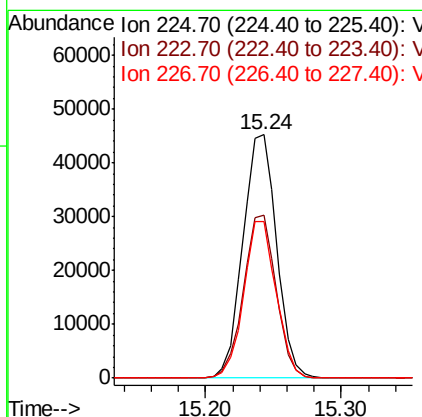
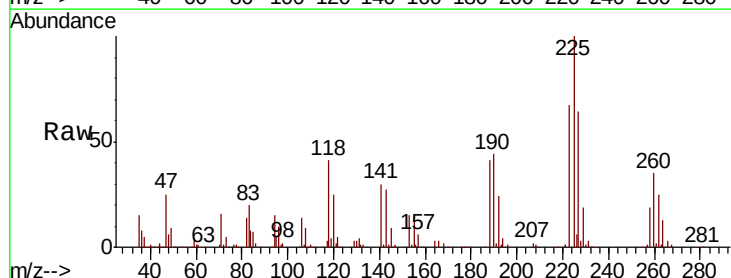
Manual Integrations
 APPROVED

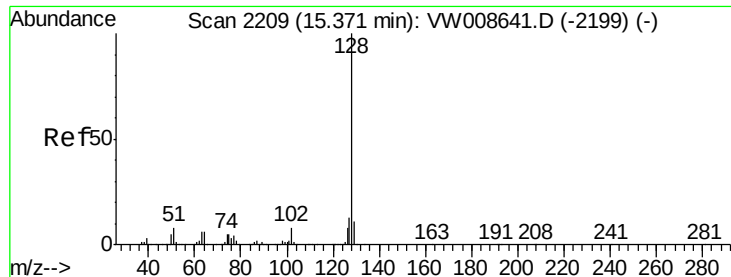
MMDadoda
 2/18/2019 12:10:50 AM



#94
 Hexachlorobutadiene
 Concen: 22.137 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78444		
223	64.8	31.4	94.3	
227	62.1	32.4	97.0	





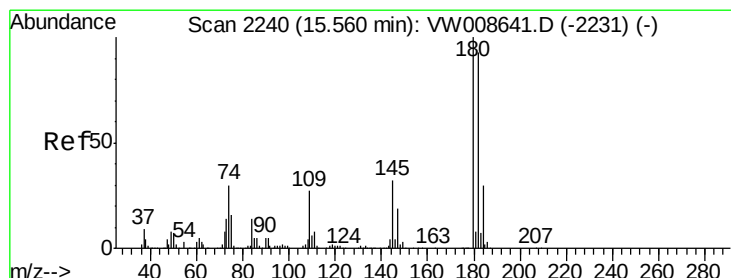
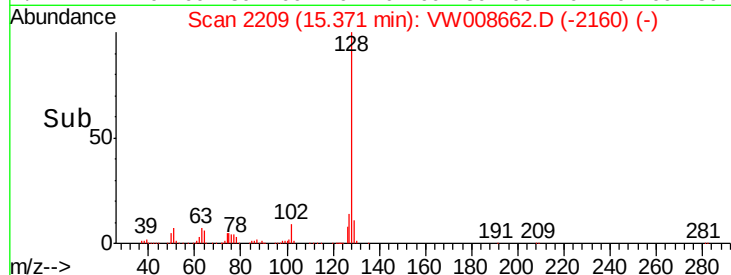
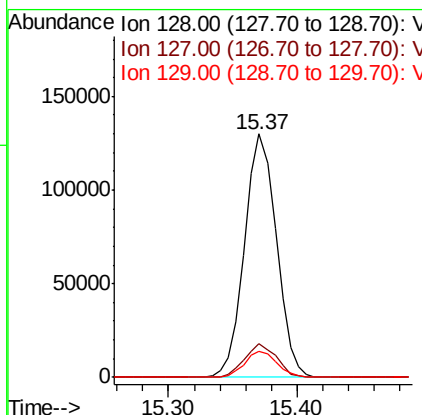
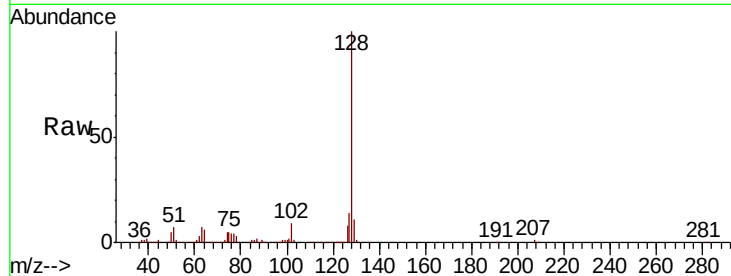
#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	222593		
127	13.8	10.9	16.3	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/18/2019 12:10:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.782 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	113786		
182	95.3	47.5	142.5	
145	30.9	15.9	47.7	

