

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008500.D
 Acq On : 04 Feb 2019 11:47
 Operator : SY/VA
 Sample : VW0204SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:42:57 AM

Quant Time: Feb 05 03:23:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	385021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	585266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	524138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	269621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	201621	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.88	113	192094	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	10.32	98	745858	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
62) 4-Bromofluorobenzene	12.62	95	279876	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29941	15.834	ug/l	96
3) Chloromethane	2.21	50	48987	15.587	ug/l	98
4) Vinyl Chloride	2.36	62	66912	16.725	ug/l	96
5) Bromomethane	2.77	94	51626	20.006	ug/l	98
6) Chloroethane	2.93	64	49390	20.186	ug/l	92
7) Trichlorofluoromethane	3.25	101	54906	19.012	ug/l	95
8) Diethyl Ether	3.67	74	35487	18.482	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	63712	18.296	ug/l	95
10) Methyl Iodide	4.26	142	98006	17.818	ug/l	99
11) Tert butyl alcohol	5.17	59	29356	96.397	ug/l	98
12) 1,1-Dichloroethene	4.03	96	61064	17.327	ug/l	97
13) Acrolein	3.88	56	26301	100.435	ug/l	98
14) Allyl chloride	4.65	41	106435	15.905	ug/l	97
15) Acrylonitrile	5.36	53	76963	92.826	ug/l	100
16) Acetone	4.12	43	71444	84.110	ug/l	96
17) Carbon Disulfide	4.37	76	187166	16.629	ug/l	99
18) Methyl Acetate	4.66	43	39408	17.394	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	109359	18.755	ug/l	96
20) Methylene Chloride	4.91	84	69727	17.810	ug/l	86
21) trans-1,2-Dichloroethene	5.41	96	70266	17.735	ug/l	94
22) Diisopropyl ether	6.31	45	208939	16.474	ug/l	97
23) Vinyl Acetate	6.25	43	640324	85.501	ug/l	98
24) 1,1-Dichloroethane	6.20	63	122754	17.099	ug/l	99
25) 2-Butanone	7.17	43	105787	89.664	ug/l	99
26) 2,2-Dichloropropane	7.16	77	85382	17.595	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	77833	18.025	ug/l	97
28) Bromochloromethane	7.50	49	58255	17.667	ug/l	95
29) Tetrahydrofuran	7.53	42	67359	90.094	ug/l	97
30) Chloroform	7.67	83	124626	17.649	ug/l	96
31) Cyclohexane	7.95	56	122988	16.568	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	110598	18.134	ug/l	97
36) 1,1-Dichloropropene	8.08	75	101545	18.368	ug/l	98
37) Ethyl Acetate	7.25	43	47788	19.538	ug/l	96
38) Carbon Tetrachloride	8.06	117	106056	19.064	ug/l	98

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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	130914	18.026	ug/l	97
40) Benzene	8.32	78	278189	18.134	ug/l	97
41) Methacrylonitrile	7.48	41	23711	16.372	ug/l	91
42) 1,2-Dichloroethane	8.40	62	83310	18.739	ug/l	99
43) Isopropyl Acetate	8.43	43	93987	18.496	ug/l	96
44) Trichloroethene	9.09	130	80111	19.203	ug/l	99
45) 1,2-Dichloropropane	9.37	63	69023	18.045	ug/l	99
46) Dibromomethane	9.46	93	37002	18.808	ug/l	96
47) Bromodichloromethane	9.64	83	95661	18.383	ug/l	96
48) Methyl methacrylate	9.43	41	43711	17.592	ug/l	98
49) 1,4-Dioxane	9.45	88	12447	374.294	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	230913	91.981	ug/l	98
52) Toluene	10.38	92	181007	17.874	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	99520	17.973	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	111583	17.757	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	53180	19.488	ug/l	94
56) Ethyl methacrylate	10.65	69	68618	17.945	ug/l	97
57) 1,3-Dichloropropane	10.93	76	90665	18.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	182818	98.404	ug/l	96
59) 2-Hexanone	10.97	43	165253	93.244	ug/l	99
60) Dibromochloromethane	11.13	129	65224	18.599	ug/l	100
61) 1,2-Dibromoethane	11.23	107	52608	19.443	ug/l	99
64) Tetrachloroethene	10.86	164	68430	19.283	ug/l	97
65) Chlorobenzene	11.66	112	200717	18.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	71704	18.731	ug/l	98
67) Ethyl Benzene	11.73	91	352006	17.898	ug/l	99
68) m/p-Xylenes	11.84	106	276652	36.254	ug/l	96
69) o-Xylene	12.17	106	133500	18.413	ug/l	94
70) Styrene	12.18	104	207841	17.354	ug/l	98
71) Bromoform	12.35	173	40215	18.671	ug/l #	98
73) Isopropylbenzene	12.46	105	355549	17.688	ug/l	99
74) N-amyl acetate	12.27	43	92316	17.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	62124	19.521	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	43580m	18.591	ug/l	
77) Bromobenzene	12.75	156	84193	19.179	ug/l	94
78) n-propylbenzene	12.80	91	431183	17.860	ug/l	98
79) 2-Chlorotoluene	12.89	91	240151	17.628	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	299730	17.840	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	21095	17.774	ug/l	97
82) 4-Chlorotoluene	12.99	91	252218	17.389	ug/l	97
83) tert-Butylbenzene	13.21	119	266364	17.816	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	305536	17.892	ug/l	100
85) sec-Butylbenzene	13.38	105	383404	17.957	ug/l	99
86) p-Isopropyltoluene	13.50	119	343048	18.342	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	165884	18.711	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	165352	18.767	ug/l	99
89) n-Butylbenzene	13.83	91	325721	17.737	ug/l	99
90) Hexachloroethane	14.10	117	64278	17.574	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	147715	18.830	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11266	18.658	ug/l	98

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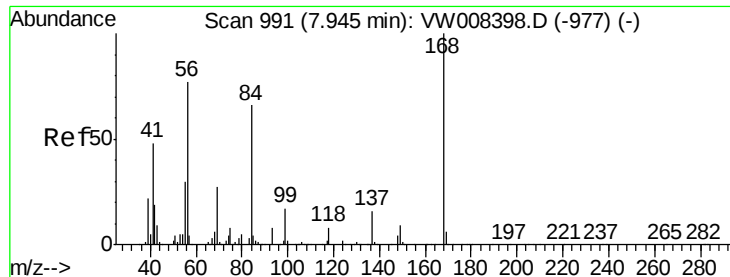
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	112406	20.080	ug/l	99
94) Hexachlorobutadiene	15.24	225	67617	20.043	ug/l	99
95) Naphthalene	15.37	128	196562	19.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	97399	20.511	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: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion:168 Resp: 385021

Ion Ratio Lower Upper

168 100

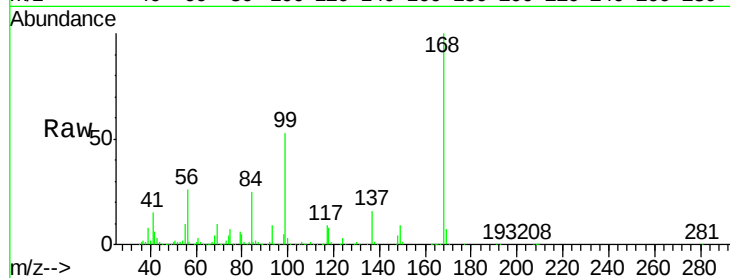
99 53.4 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

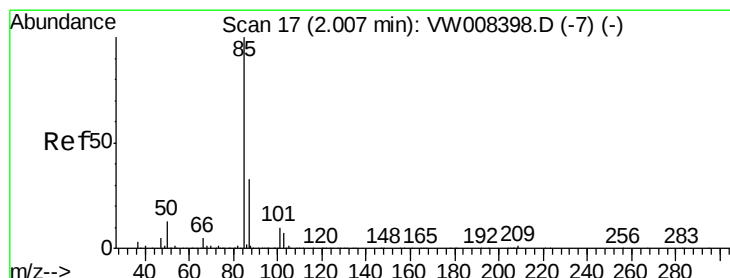
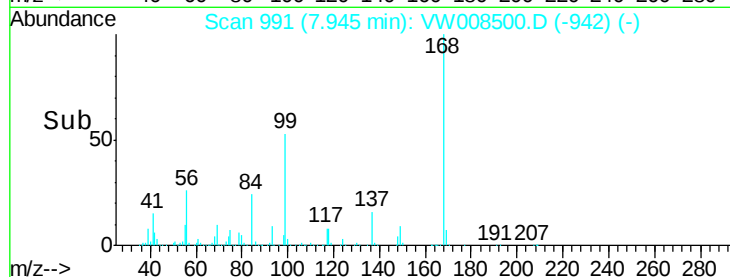
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 15.834 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008500.D

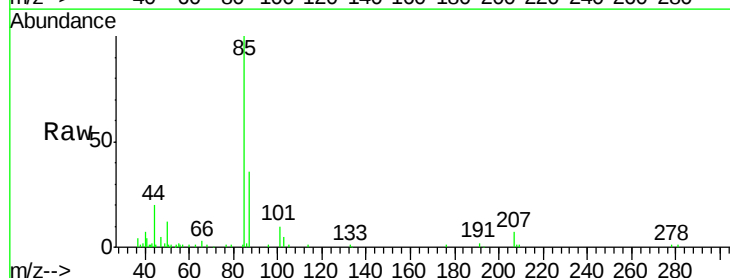
Acq: 04 Feb 2019 11:47

Tgt Ion: 85 Resp: 29941

Ion Ratio Lower Upper

85 100

87 35.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

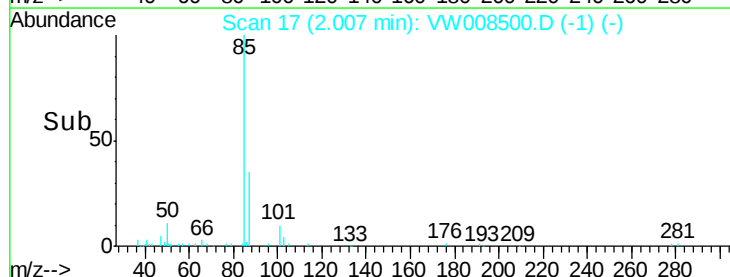
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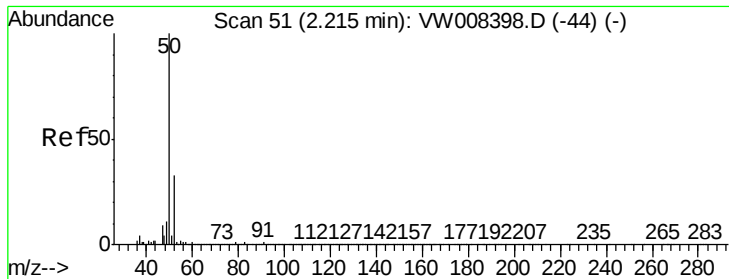
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 15.587 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 50 Resp: 48987

Ion Ratio Lower Upper

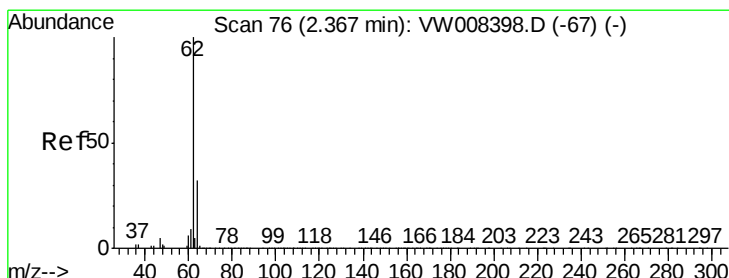
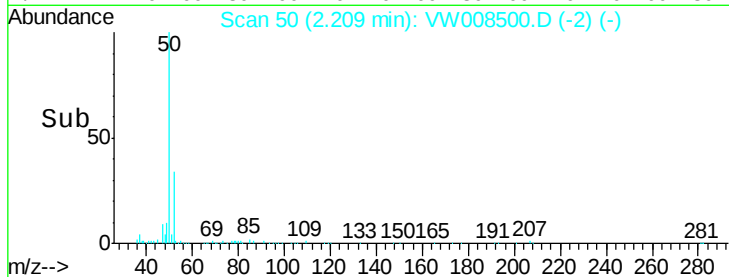
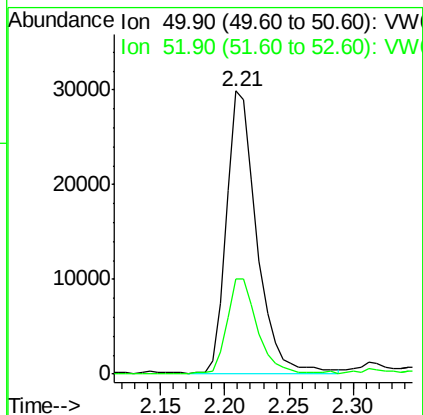
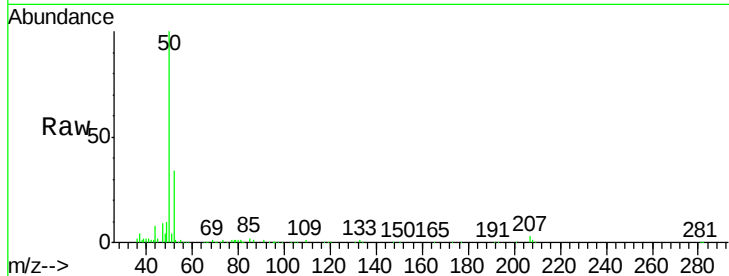
50 100

52 34.0 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.725 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008500.D

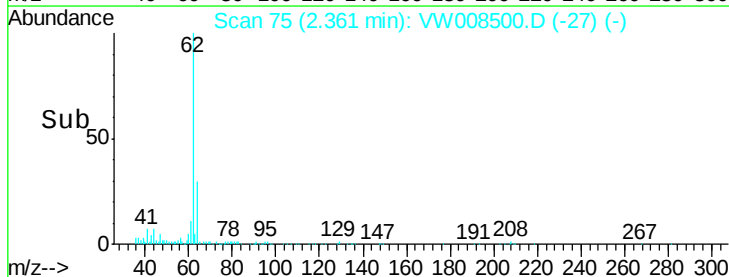
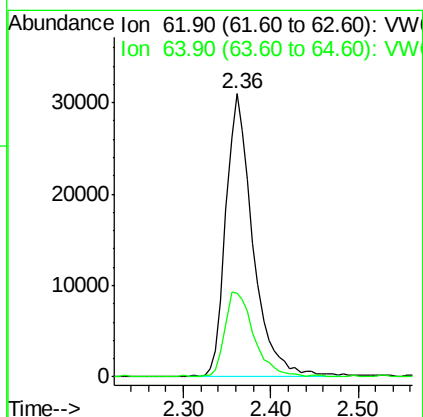
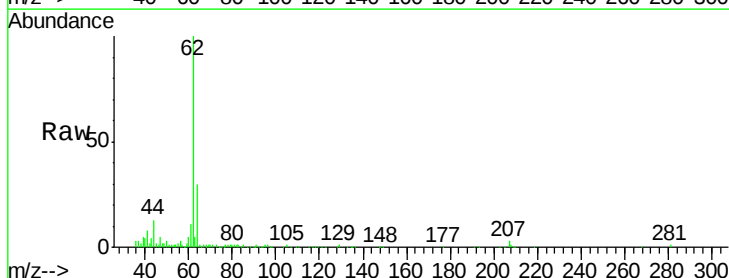
Acq: 04 Feb 2019 11:47

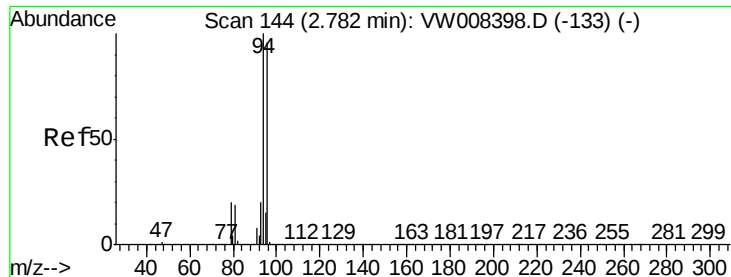
Tgt Ion: 62 Resp: 66912

Ion Ratio Lower Upper

62 100

64 29.7 25.5 38.3





#5

Bromomethane

Concen: 20.006 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 94 Resp: 51626

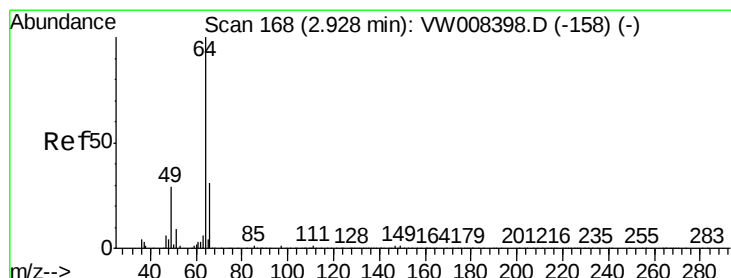
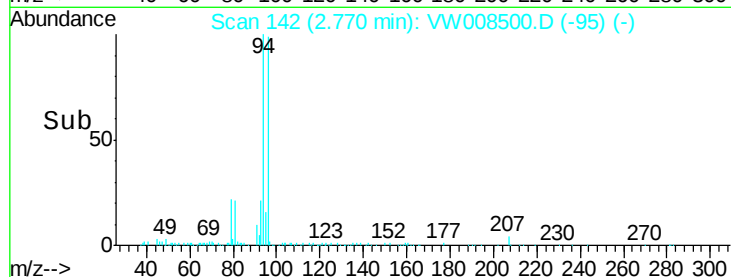
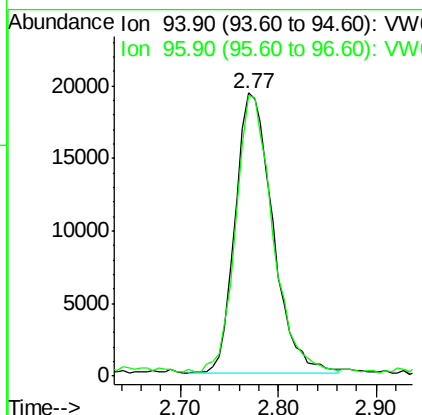
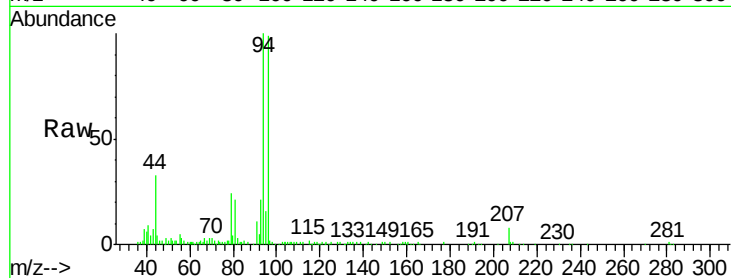
Ion Ratio Lower Upper

94 100

96 98.0 77.2 115.8

Manual Integrations
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2/5/2019 10:42:57 AM



#6

Chloroethane

Concen: 20.186 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008500.D

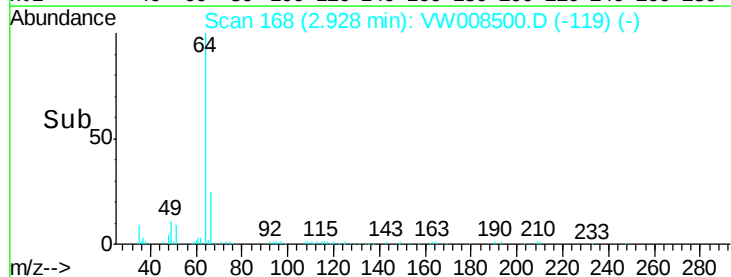
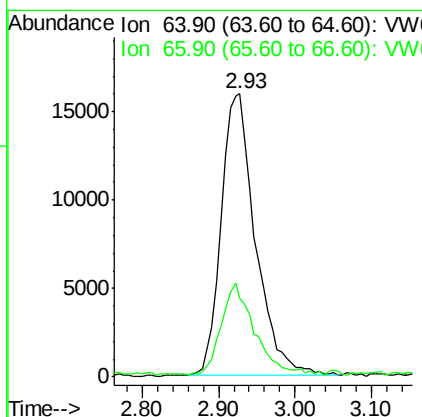
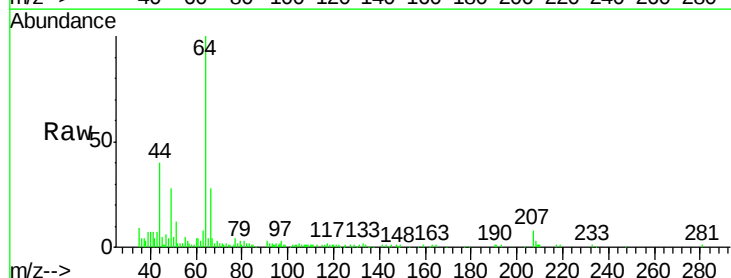
Acq: 04 Feb 2019 11:47

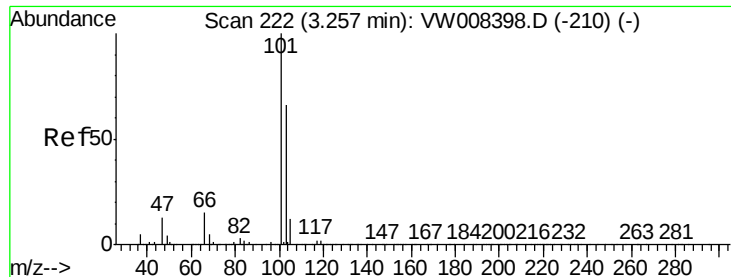
Tgt Ion: 64 Resp: 49390

Ion Ratio Lower Upper

64 100

66 26.9 24.9 37.3





#7

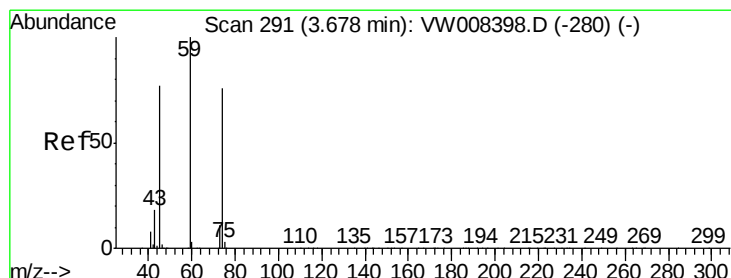
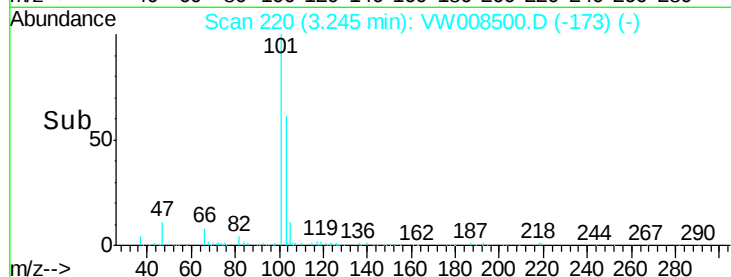
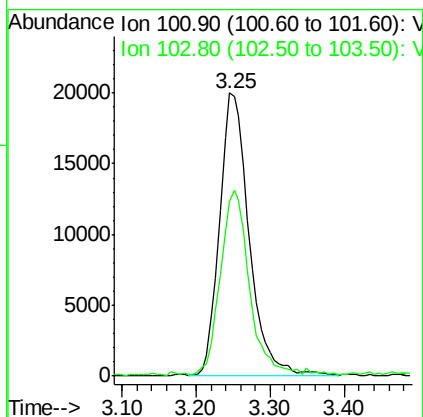
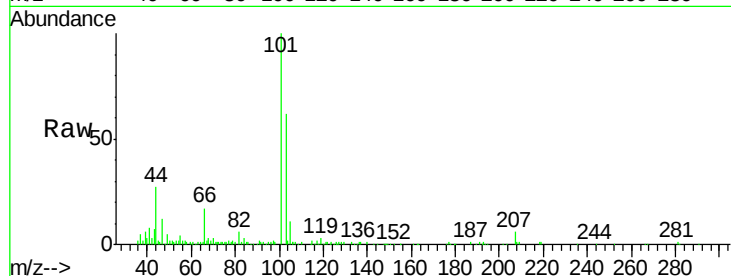
Trichlorofluoromethane
 Concen: 19.012 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.5	78.7

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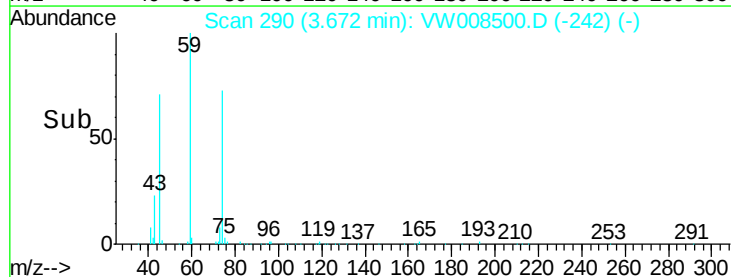
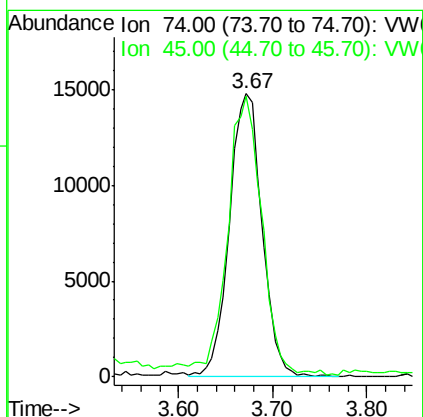
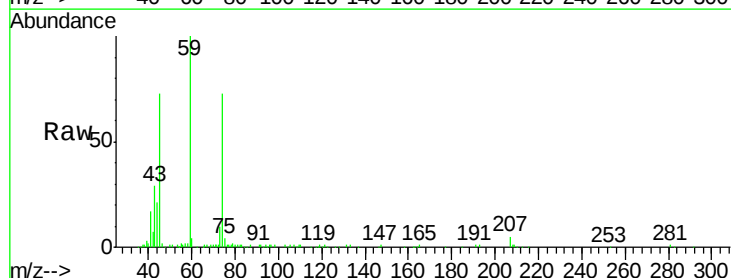
MMDadoda
 2/5/2019 10:42:57 AM



#8

Diethyl Ether
 Concen: 18.482 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.296 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

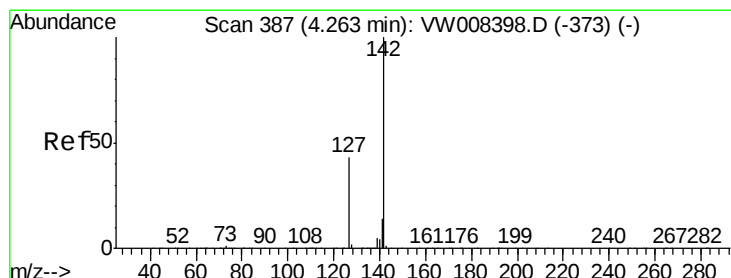
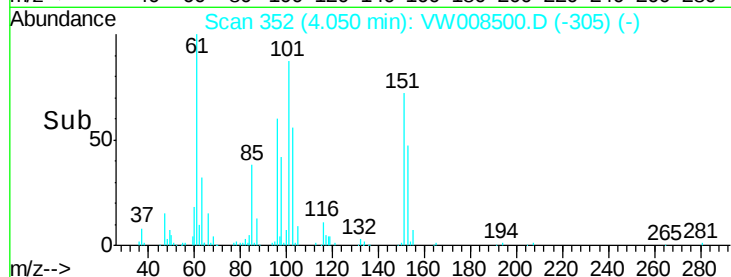
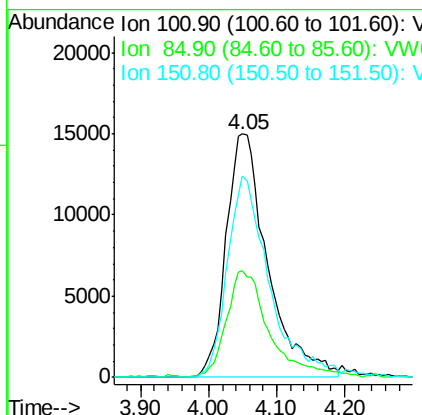
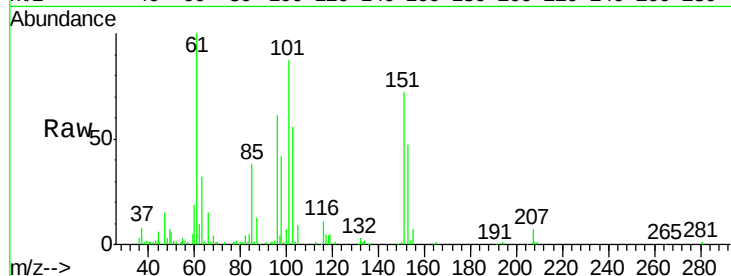
ClientSampleId :

VW0204SBSD01

Tot Ion:	101	Resp:	63712
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.0	52.4
151	83.2	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.818 ug/l

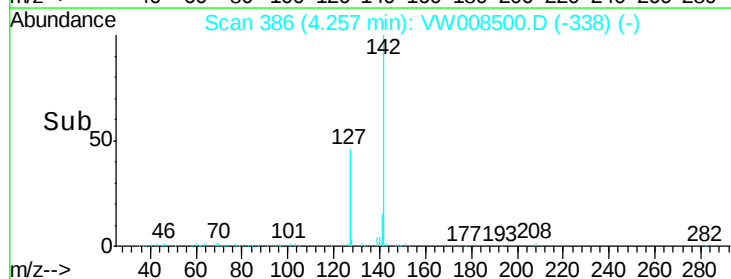
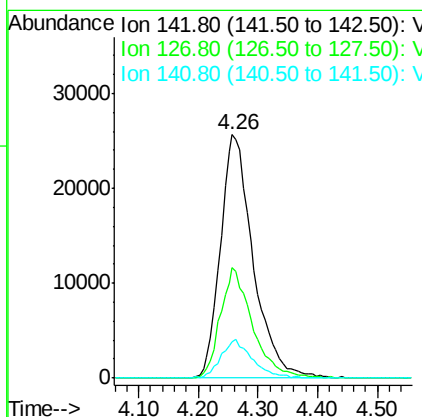
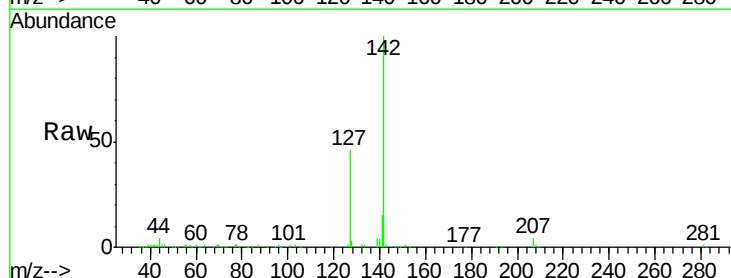
RT: 4.26 min Scan# 386

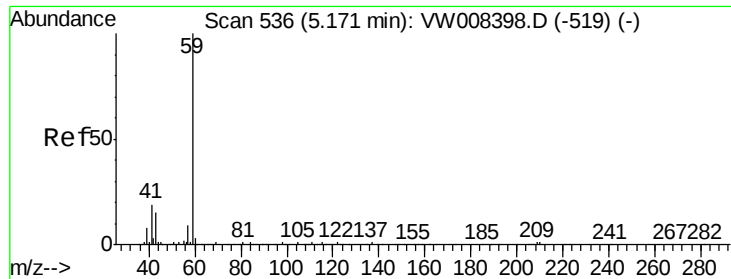
Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion:	142	Resp:	98006
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.6	52.0
141	15.0	11.4	17.2





#11

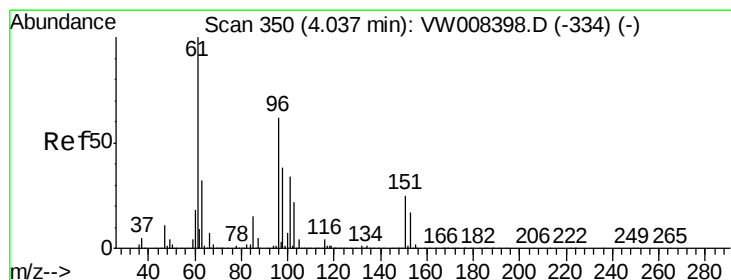
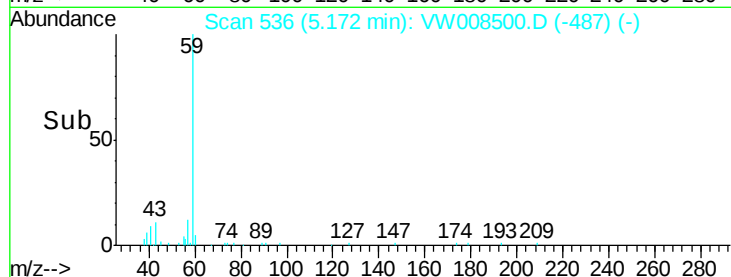
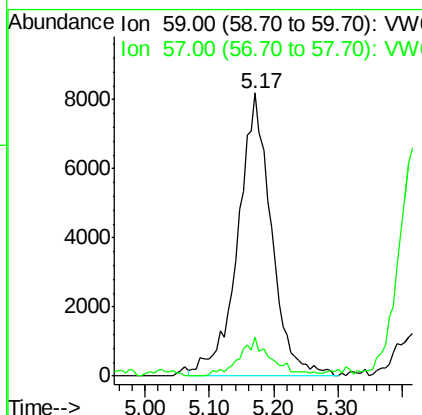
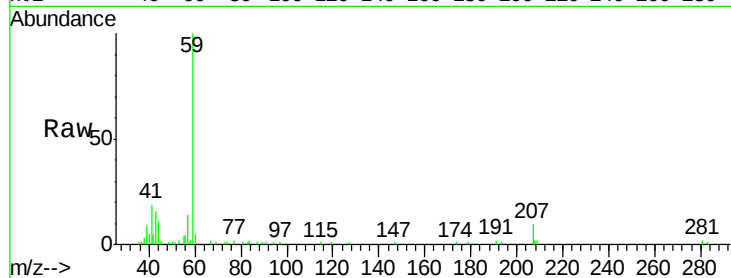
Tert butyl alcohol
Concen: 96.397 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.5	9.3	13.9

Manual Integrations
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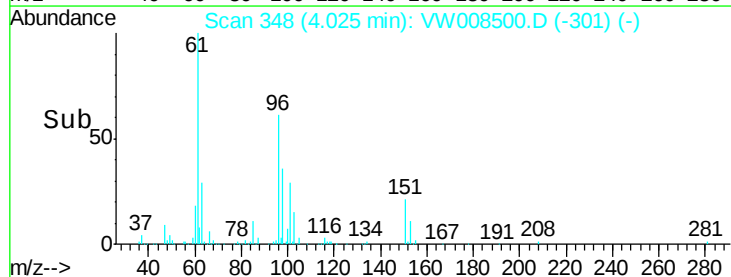
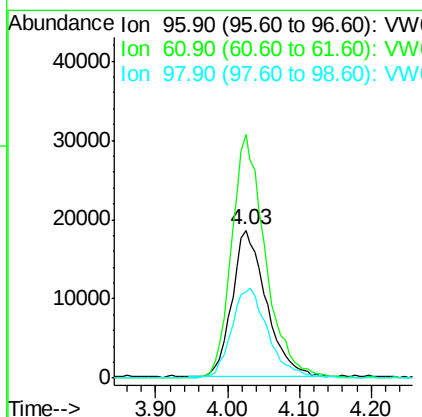
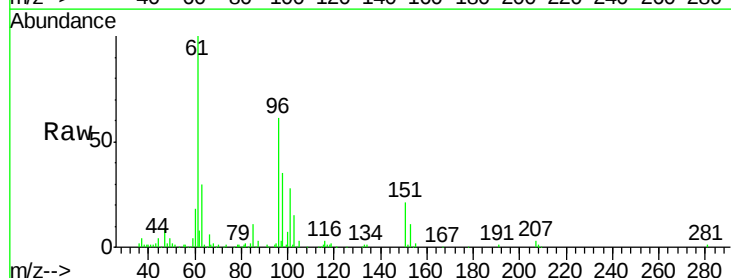
MMDadoda
2/5/2019 10:42:57 AM

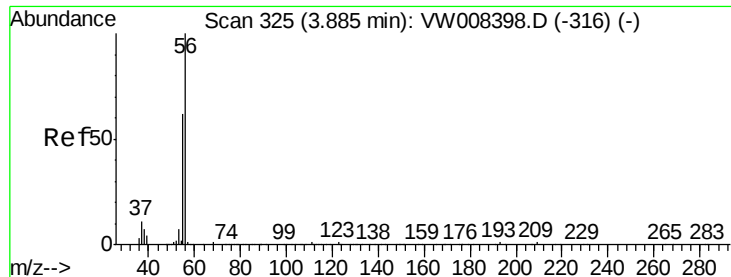


#12

1,1-Dichloroethene
Concen: 17.327 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	129.5	194.3
98	59.0	48.6	73.0





#13

Acrolein

Concen: 100.435 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 56 Resp: 26301

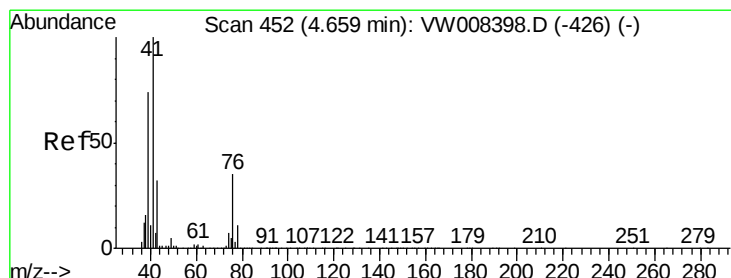
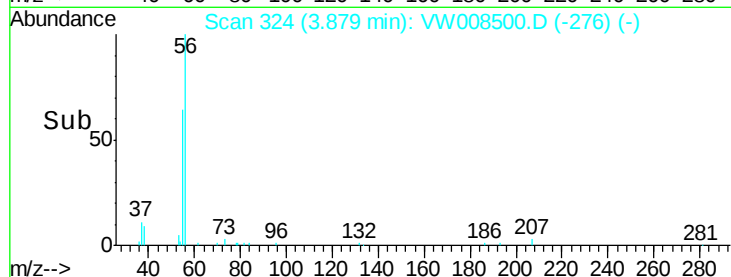
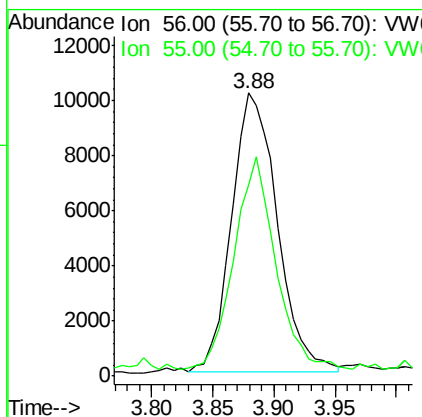
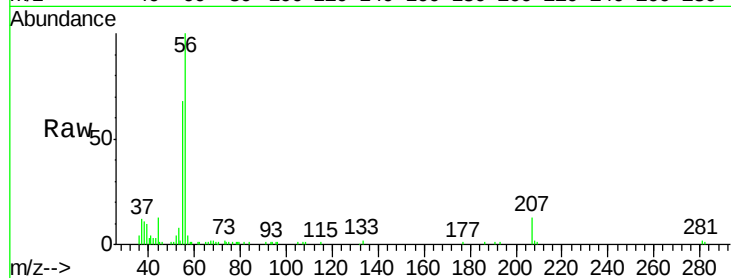
Ion Ratio Lower Upper

56 100

55 69.0 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 15.905 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

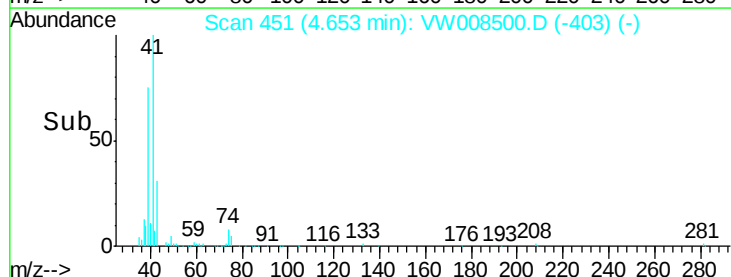
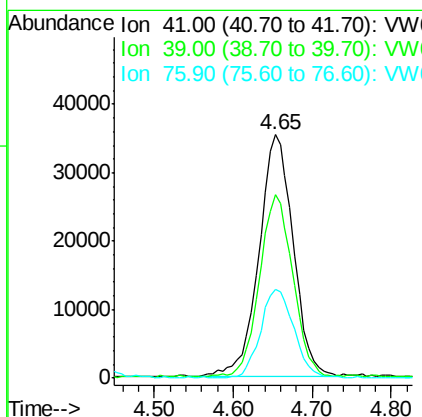
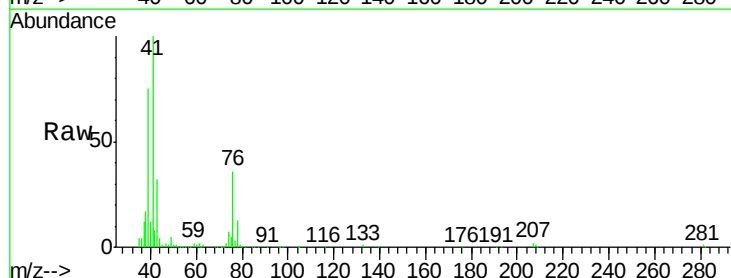
Tgt Ion: 41 Resp: 106435

Ion Ratio Lower Upper

41 100

39 73.6 57.7 86.5

76 36.1 26.9 40.3





#15

Acrylonitrile

Concen: 92.826 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

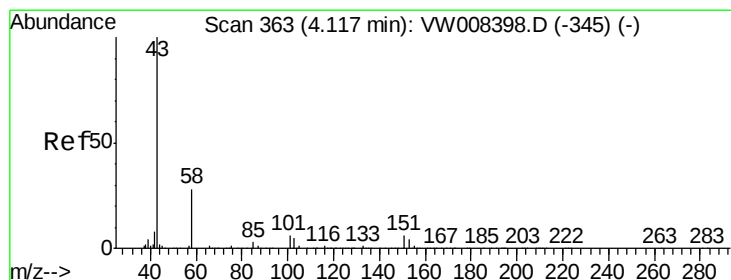
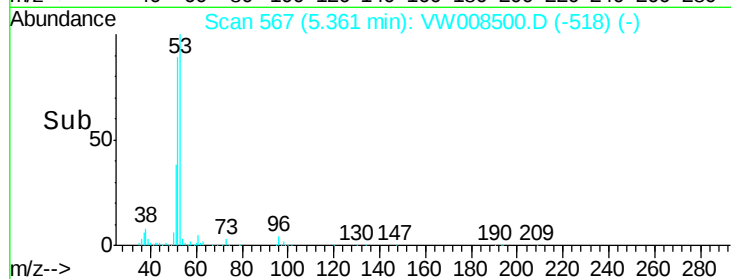
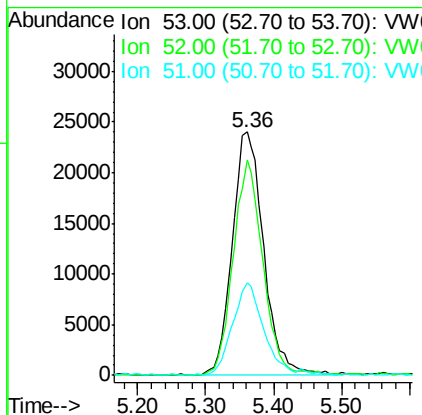
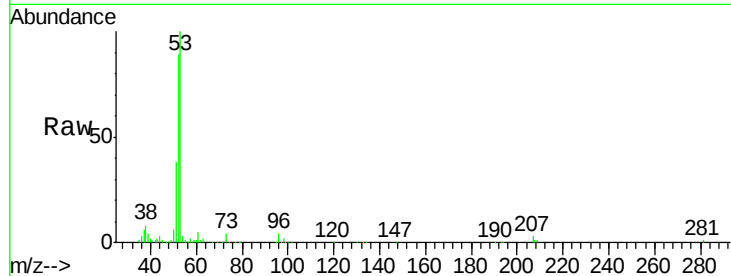
ClientSampleId :

VW0204SBS01

Tot Ion:	53	Resp:	76963
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.0	100.4
51	37.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 84.110 ug/l

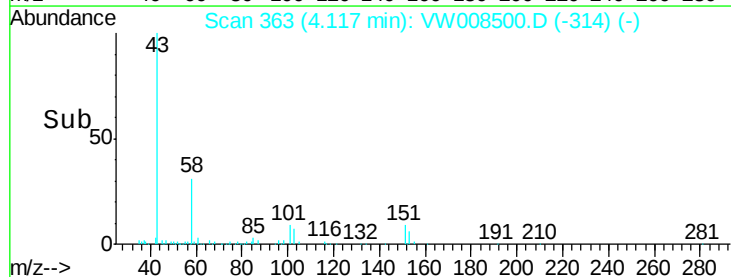
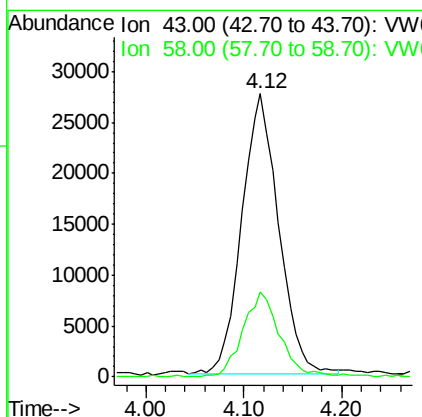
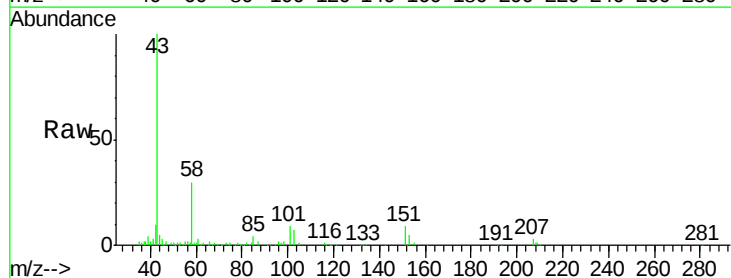
RT: 4.12 min Scan# 363

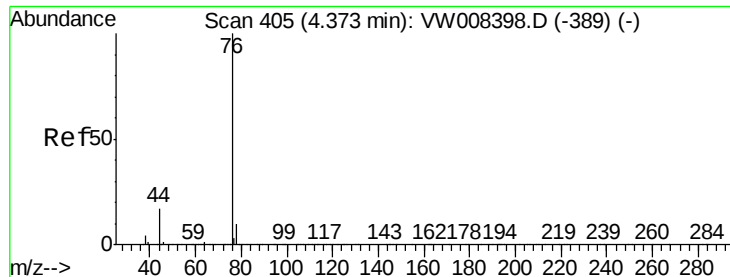
Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion:	43	Resp:	71444
Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.6	34.0





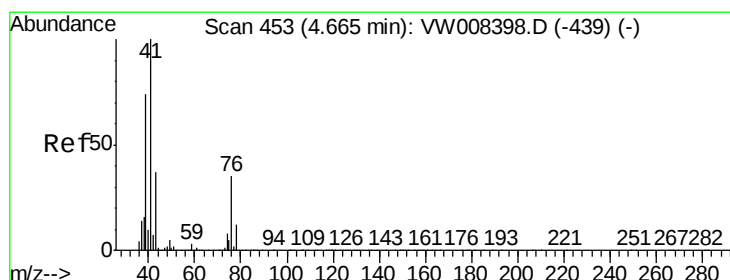
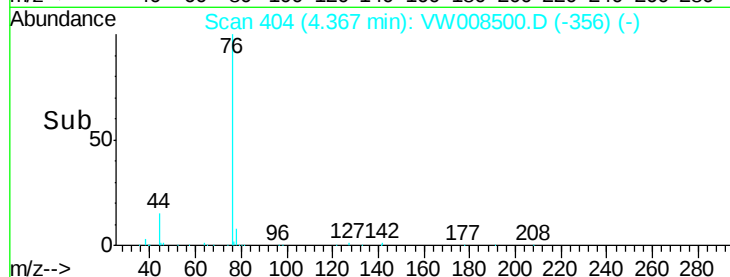
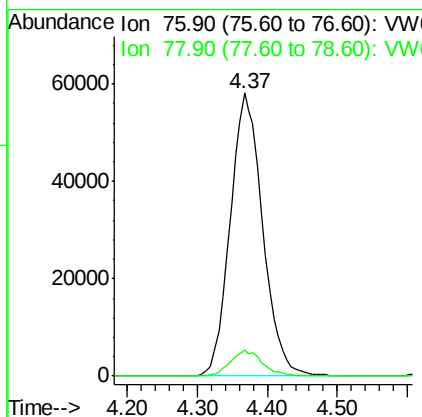
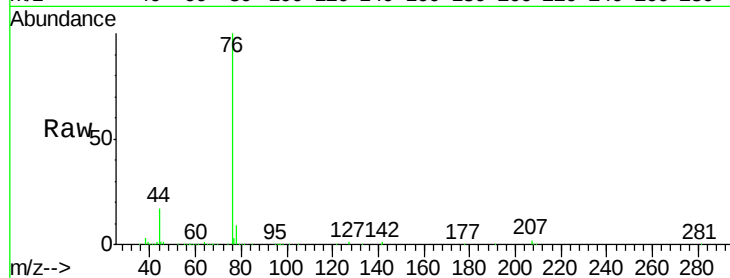
#17
Carbon Disulfide
Concen: 16.629 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

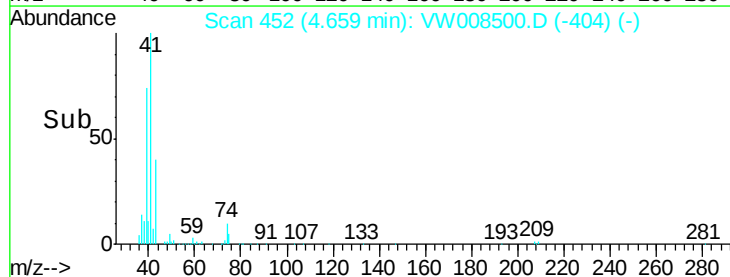
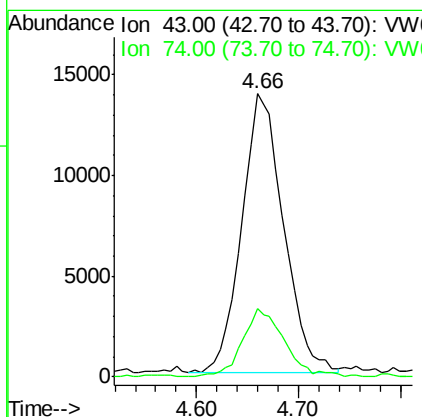
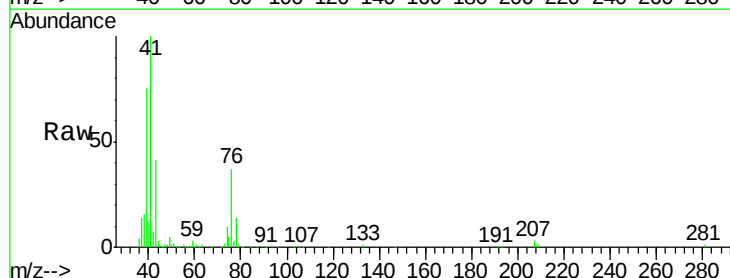
Manual Integrations
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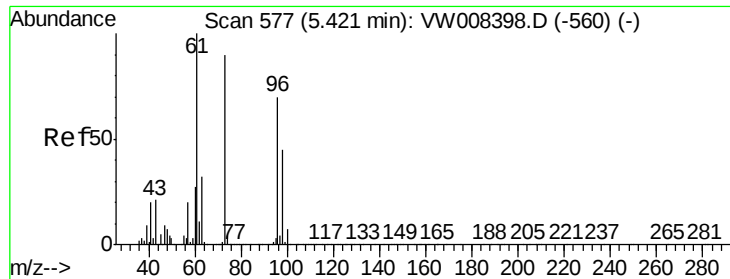
MMDadoda
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#18
Methyl Acetate
Concen: 17.394 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	17.5	26.3





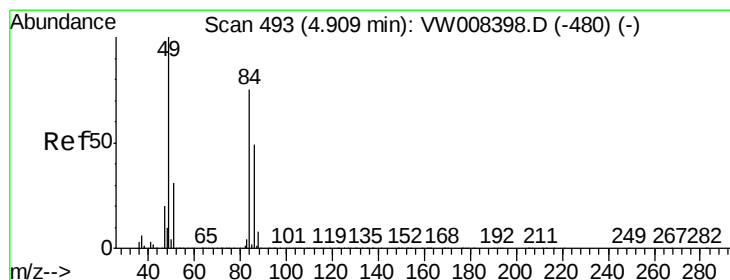
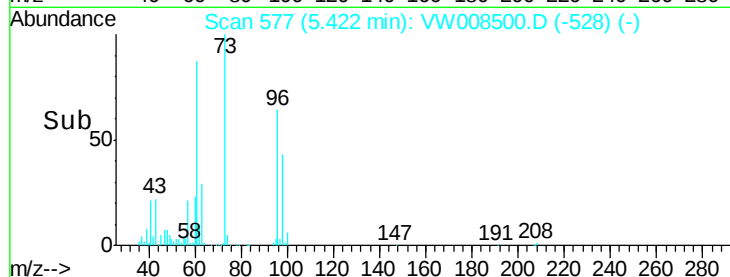
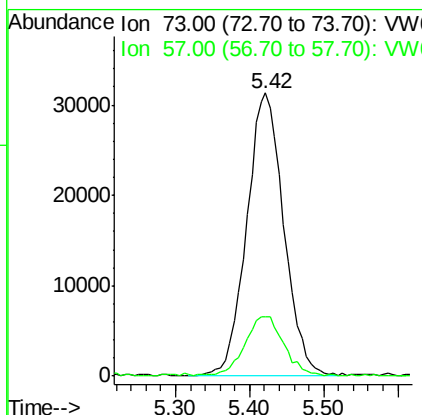
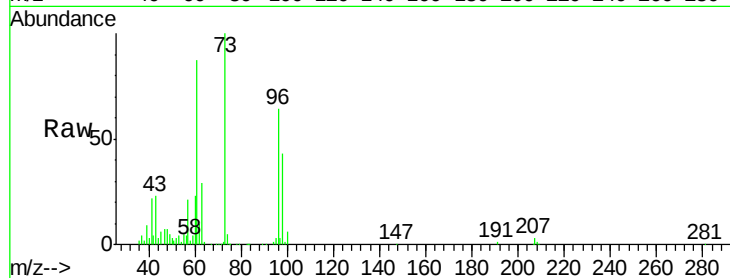
#19
Methvl tert-butvl Ether
Concen: 18.755 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	18.0	27.0

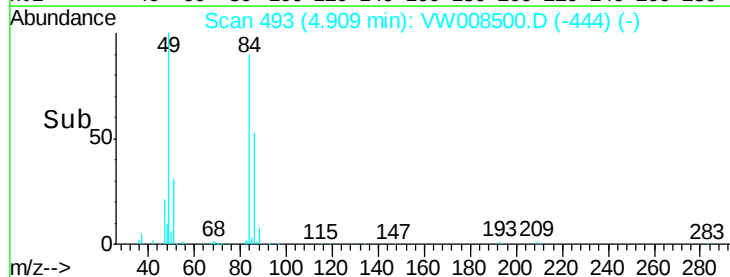
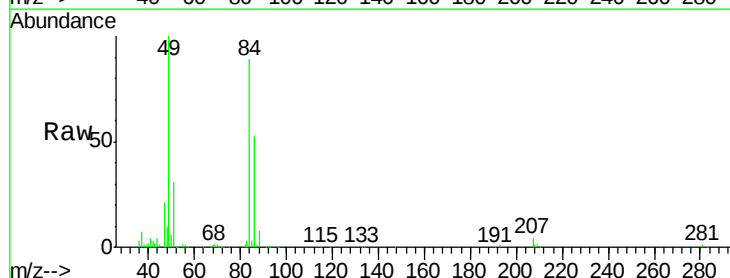
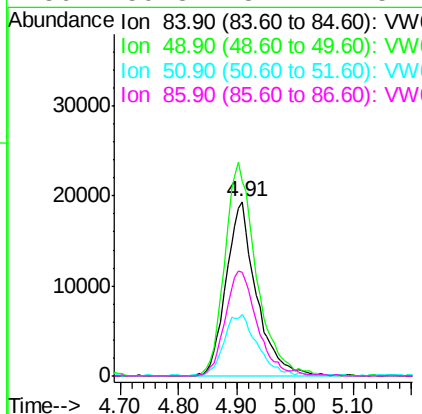
Manual Integrations
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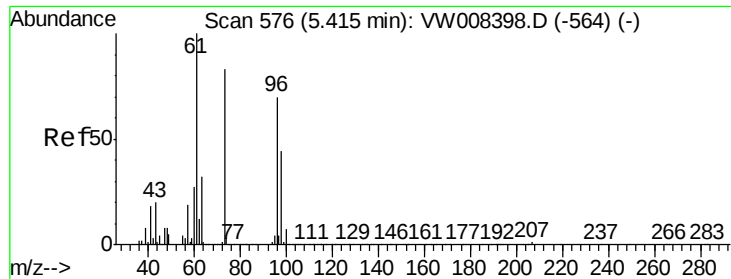
MMDadoda
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#20
Methylene Chloride
Concen: 17.810 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.1	106.8	160.2
51	35.3	32.9	49.3
86	59.3	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 17.735 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

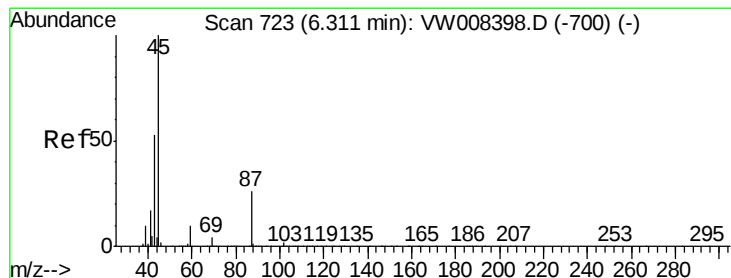
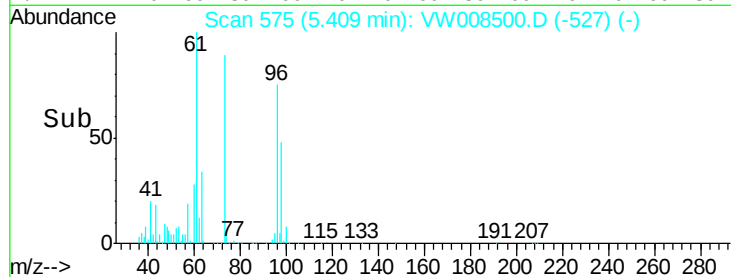
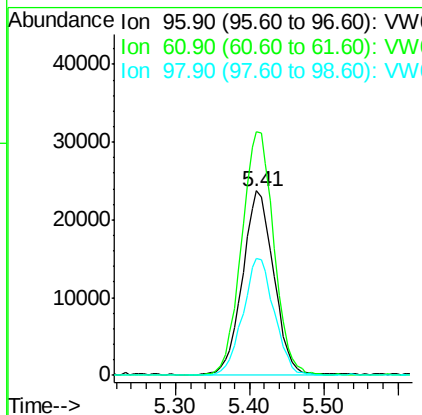
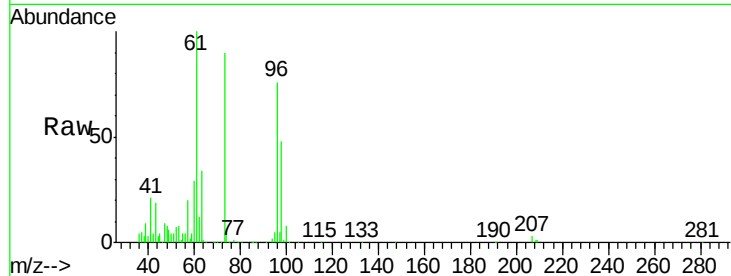
ClientSampleId :

VW0204SBSD01

Tot Ion:	96	Resp:	70266
Ion	Ratio	Lower	Upper
96	100		
61	132.2	114.4	171.6
98	63.3	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 16.474 ug/l

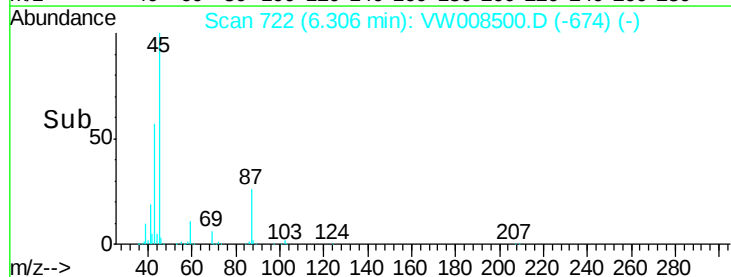
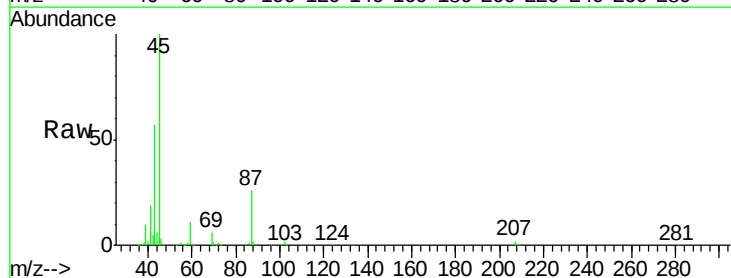
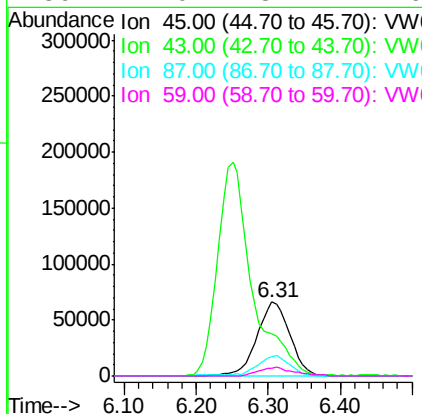
RT: 6.31 min Scan# 722

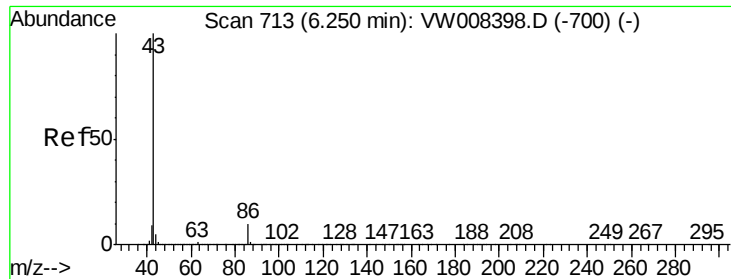
Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion:	45	Resp:	208939
Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.6	63.8
87	25.9	20.3	30.5
59	11.0	8.4	12.6





#23

Vinyl Acetate

Concen: 85.501 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 43 Resp: 640324

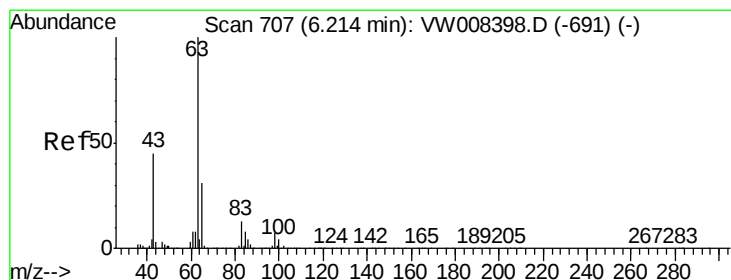
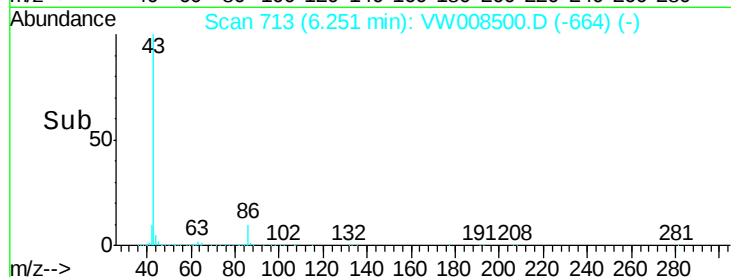
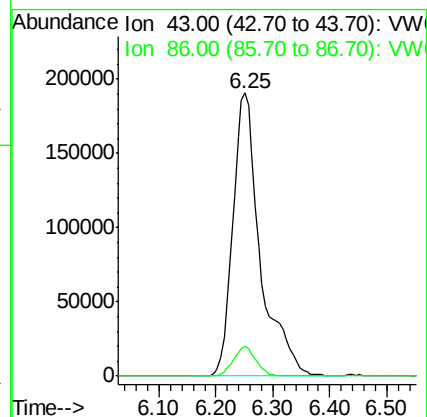
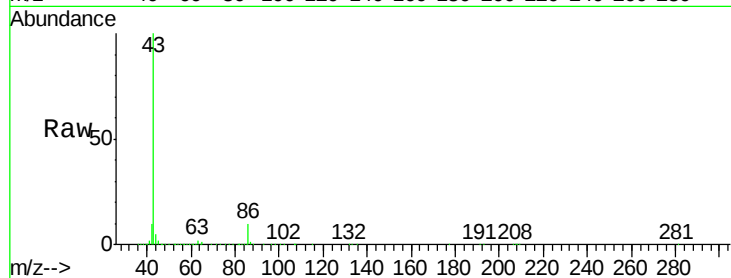
Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 17.099 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

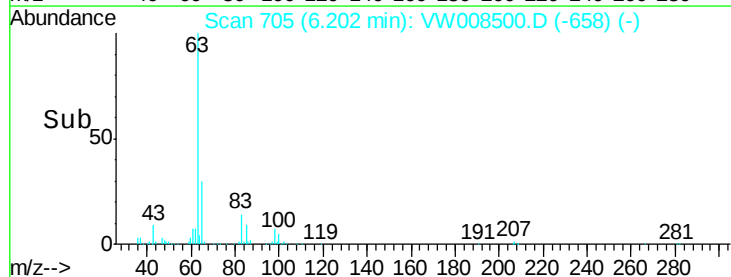
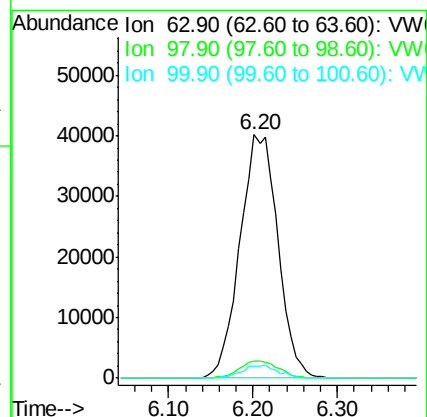
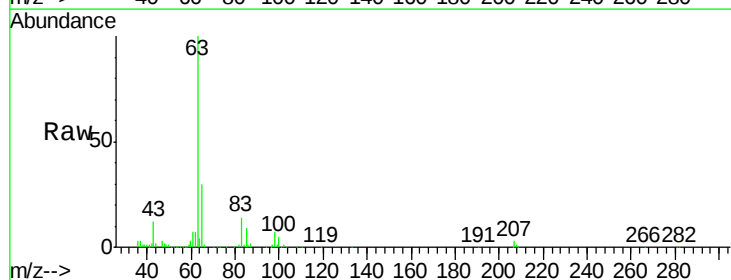
Tgt Ion: 63 Resp: 122754

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 89.664 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 43 Resp: 105787

Ion Ratio Lower Upper

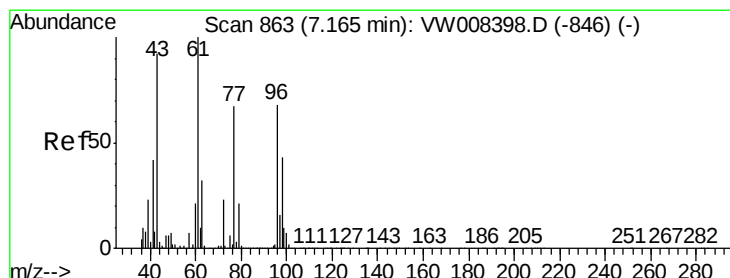
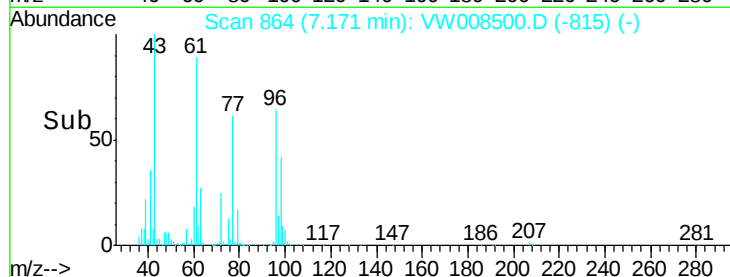
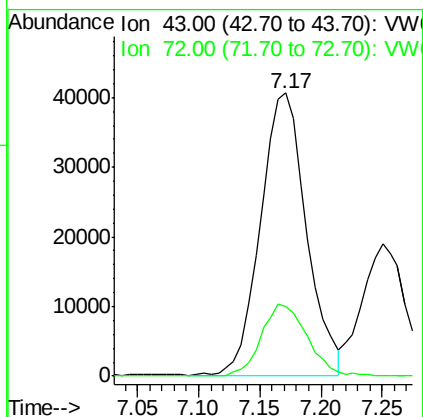
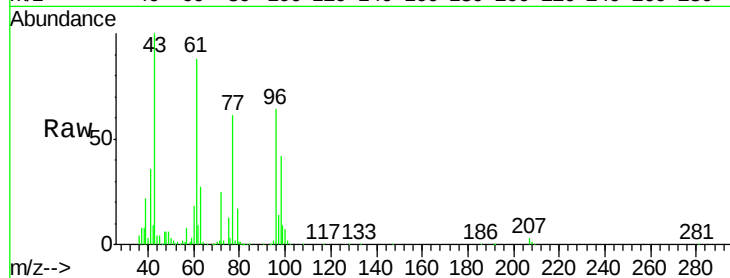
43 100

72 24.7 20.1 30.1

Manual Integrations
APPROVED

MMDadoda

2/5/2019 10:42:57 AM



#26

2,2-Dichloropropane

Concen: 17.595 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008500.D

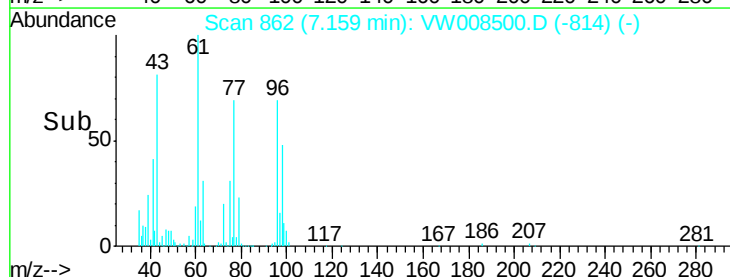
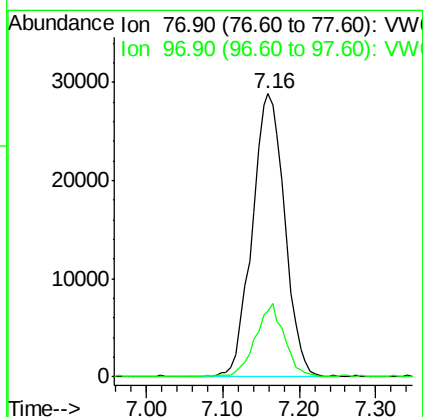
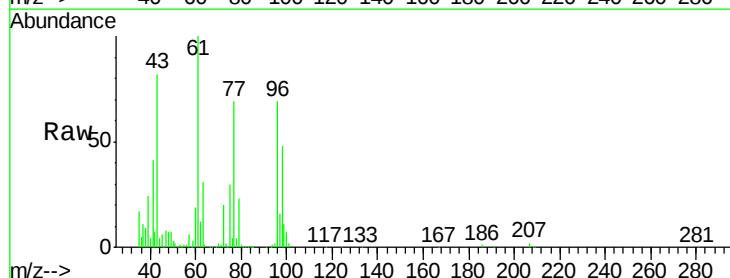
Acq: 04 Feb 2019 11:47

Tgt Ion: 77 Resp: 85382

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5





#27

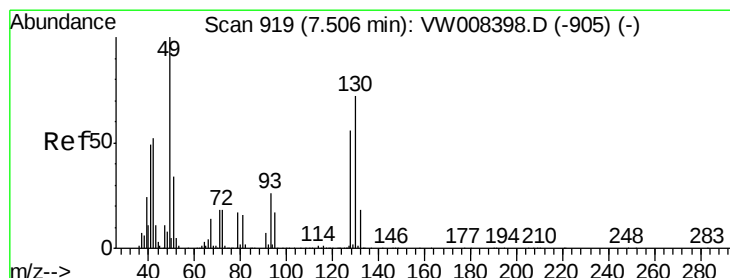
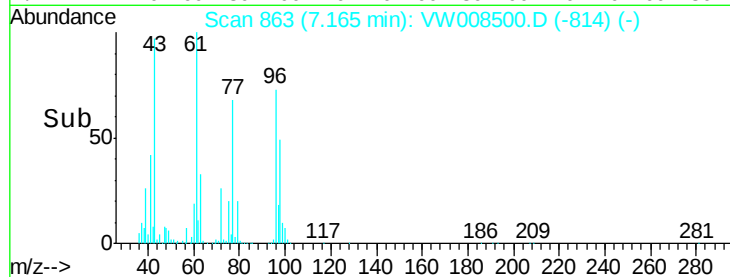
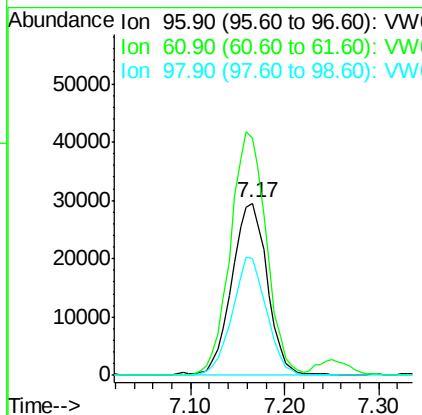
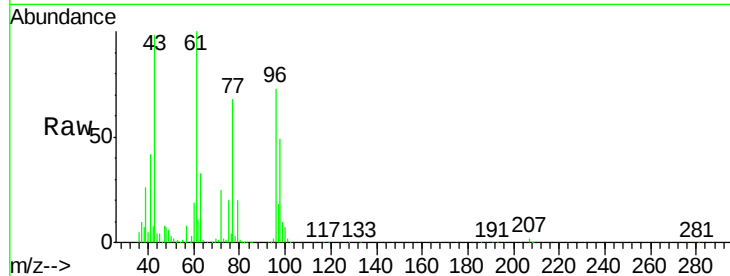
cis-1,2-Dichloroethene
 Concen: 18.025 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	292.8
98	66.0	0.0	129.2

Manual Integrations
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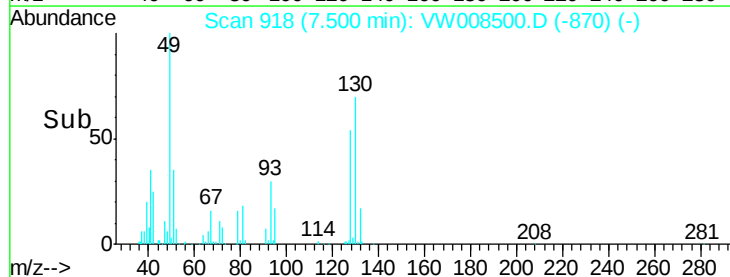
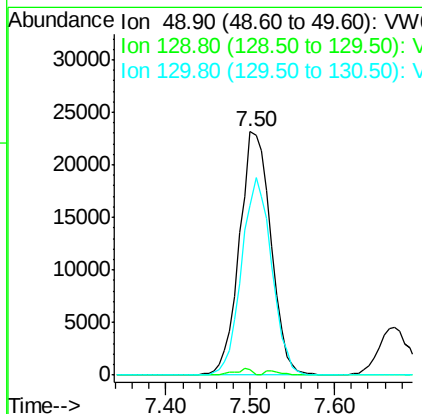
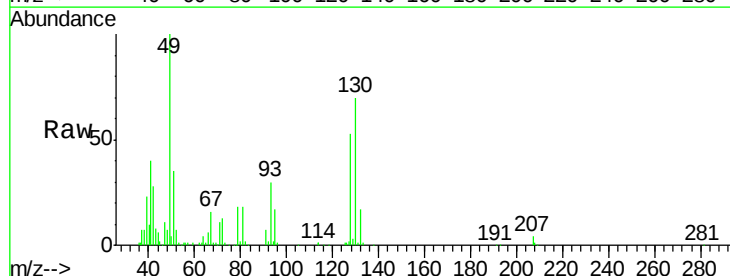
MMDadoda
 2/5/2019 10:42:57 AM

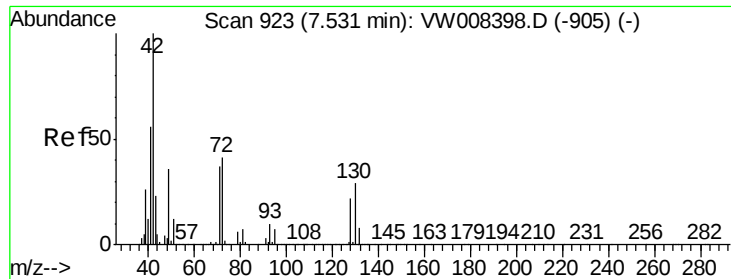


#28

Bromochloromethane
 Concen: 17.667 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	77.6	58.6	87.8





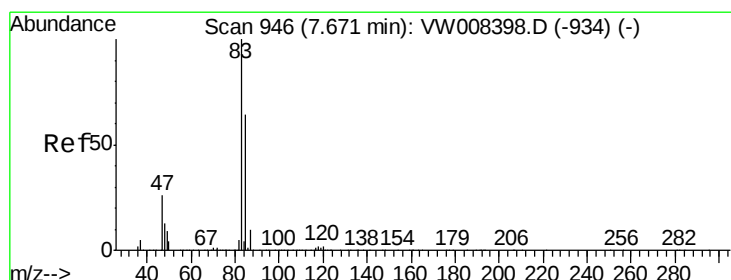
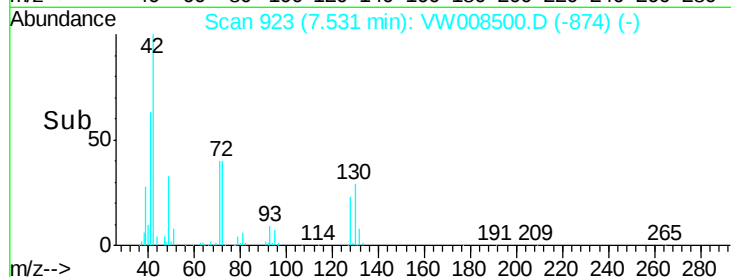
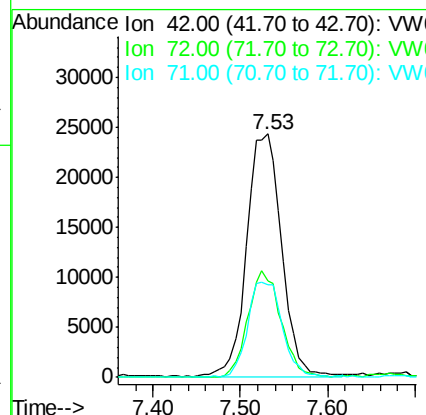
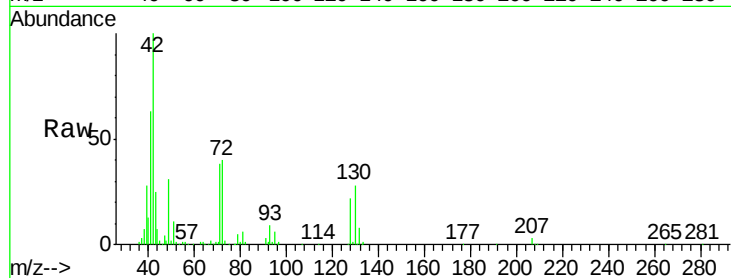
#29
Tetrahydrofuran
Concen: 90.094 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	31.9	47.9
71	39.5	29.9	44.9

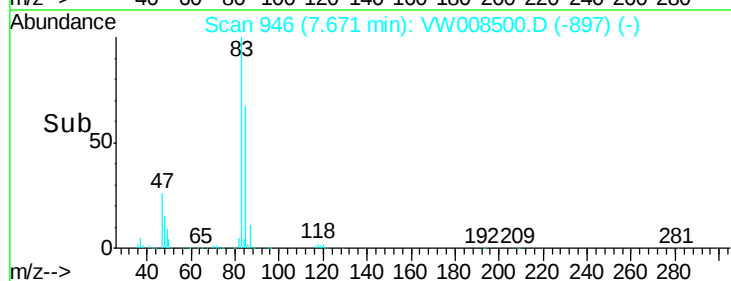
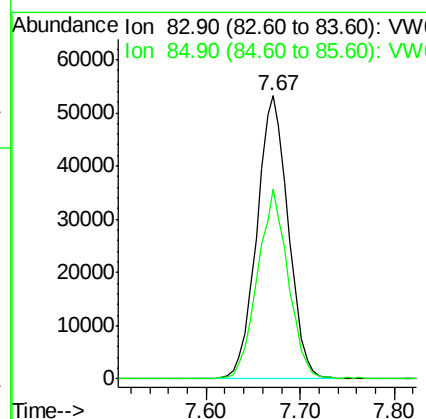
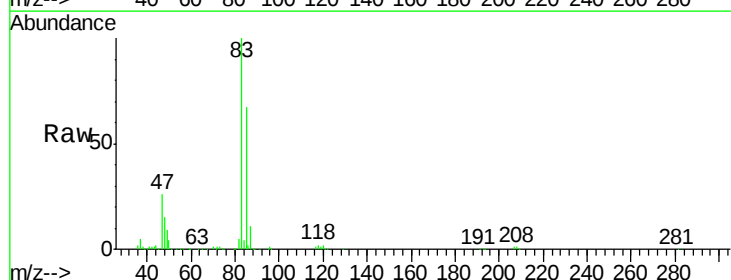
Manual Integrations
APPROVED

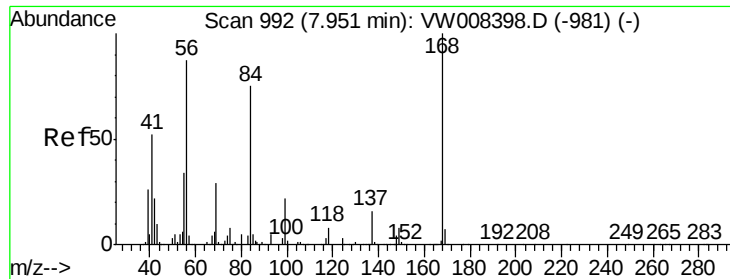
MMDadoda
2/5/2019 10:42:57 AM



#30
Chloroform
Concen: 17.649 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.9	76.3





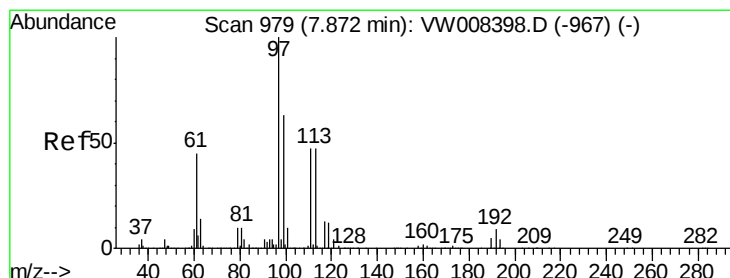
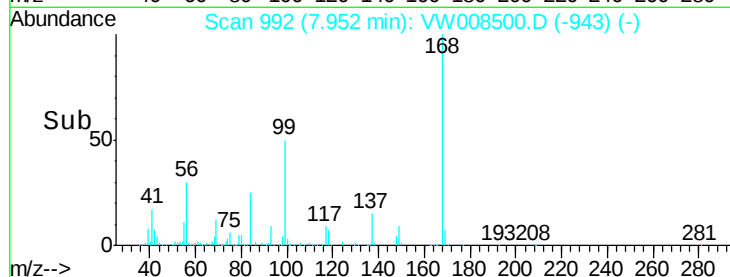
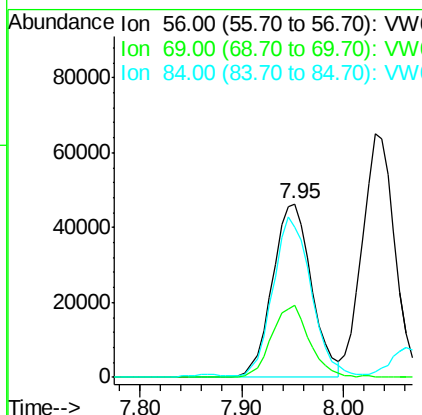
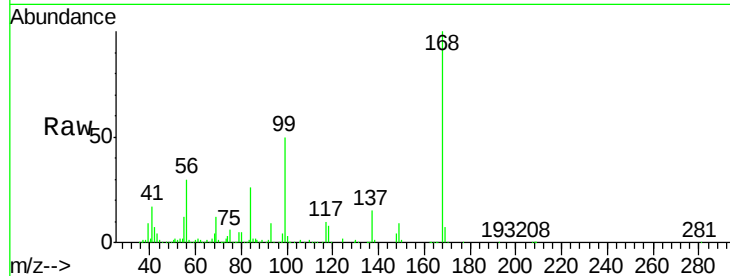
#31
Cyclohexane
Concen: 16.568 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.7	26.4	39.6#
84	85.6	69.1	103.7

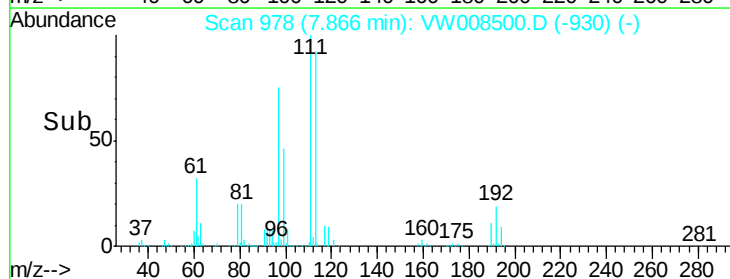
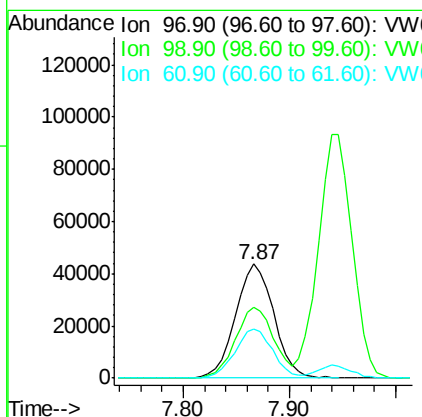
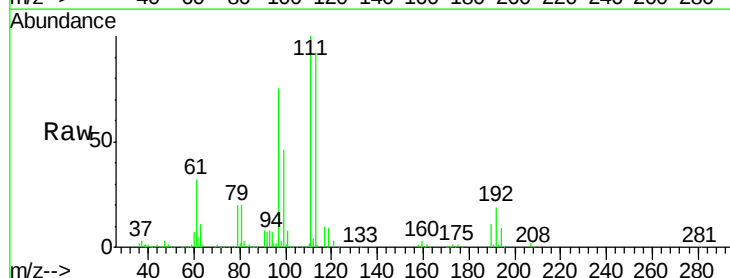
Manual Integrations
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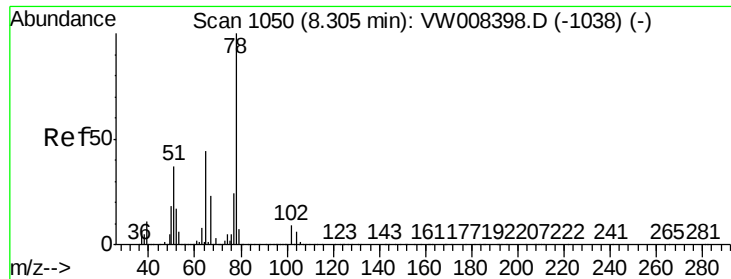
MMDadoda
2/5/2019 10:42:57 AM



#32
1,1,1-Trichloroethane
Concen: 18.134 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.3	76.9
61	42.4	36.2	54.4





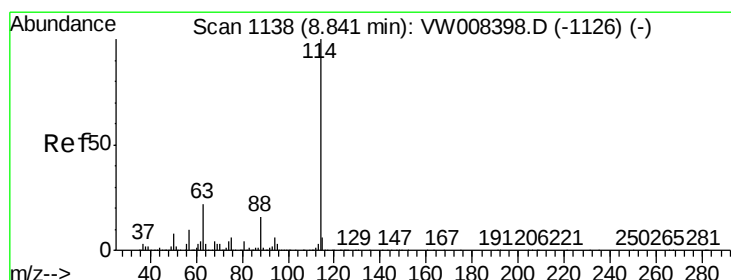
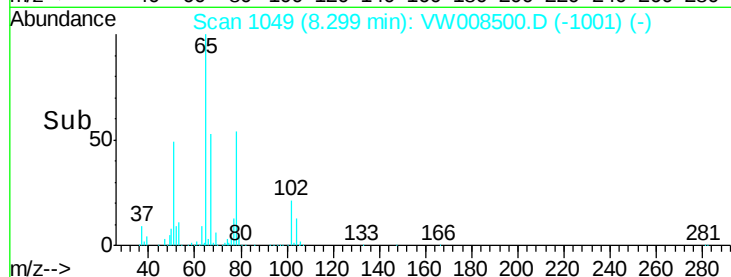
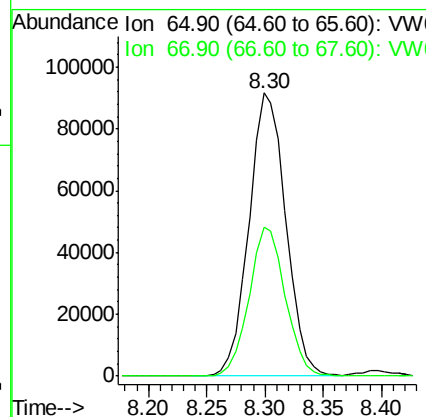
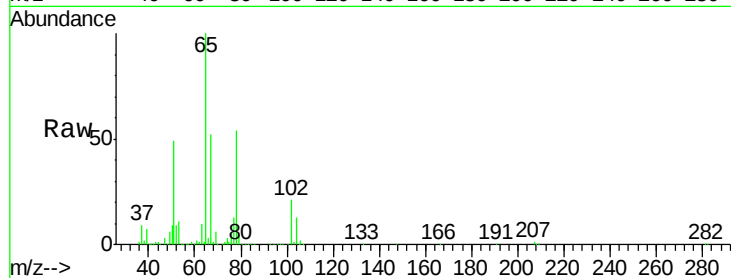
#33
 1,2-Dichloroethane-d4
 Concen: 53.304 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201621		
67	51.8	0.0	104.0	

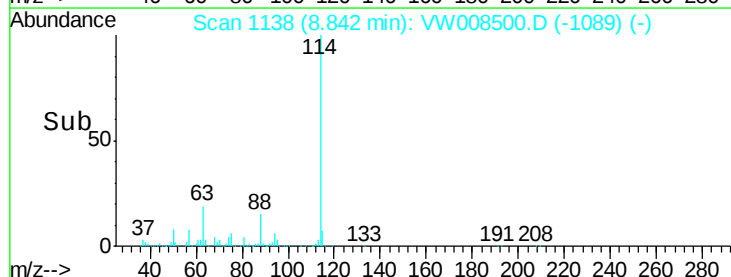
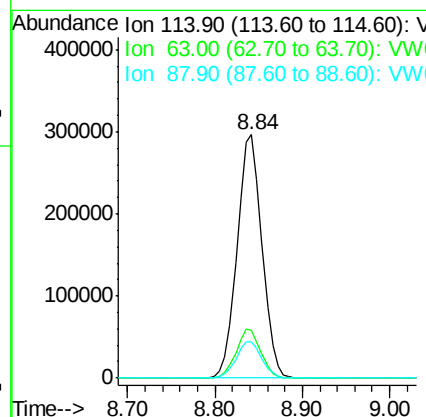
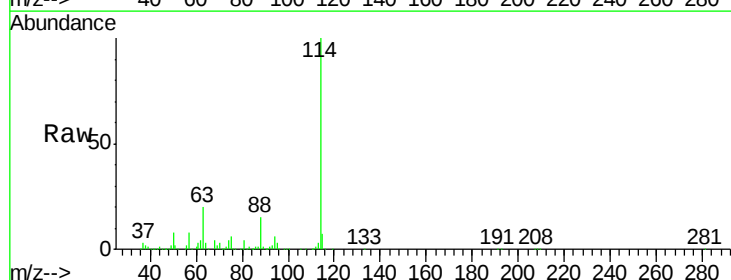
Manual Integrations
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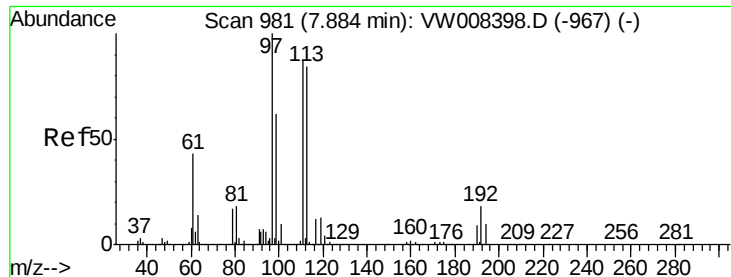
MMDadoda
 2/5/2019 10:42:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	585266		
63	19.5	0.0	43.6	
88	15.0	0.0	31.8	





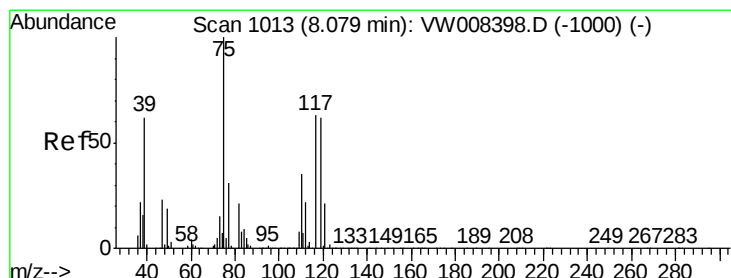
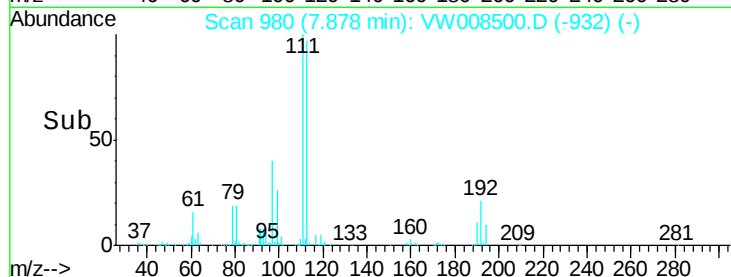
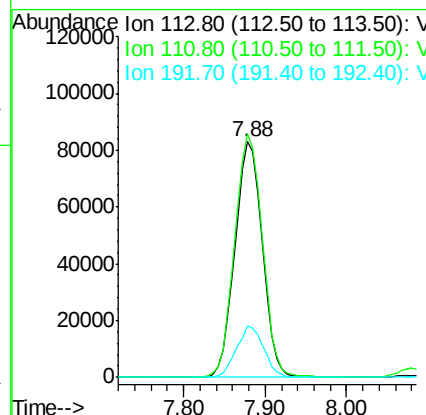
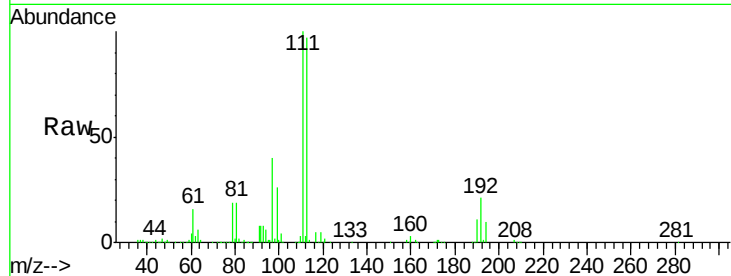
#35
Dibromofluoromethane
Concen: 56.131 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	192094		
111	104.6	81.0	121.4	
192	21.7	16.8	25.2	

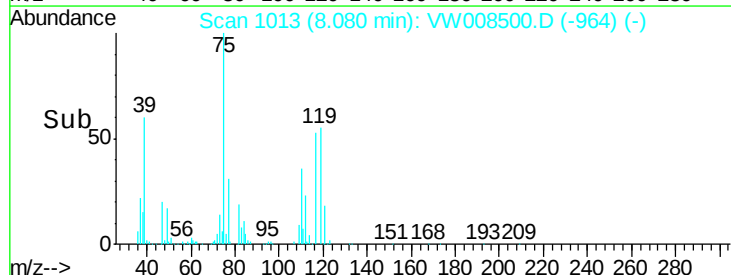
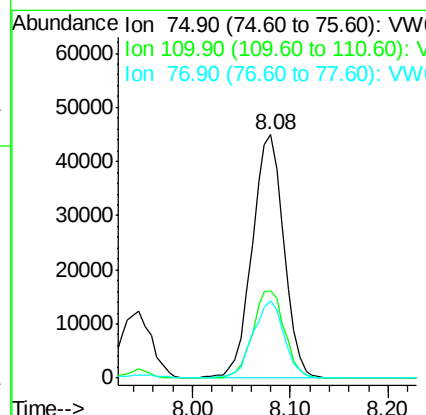
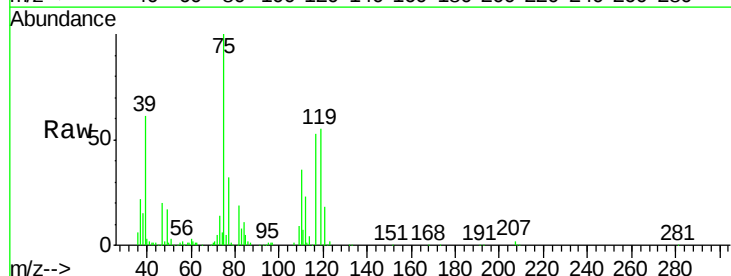
Manual Integrations
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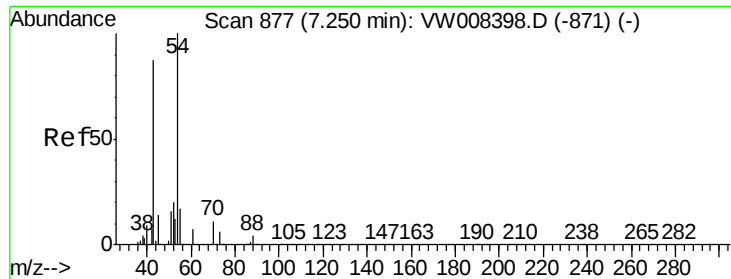
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2/5/2019 10:42:57 AM



#36
1,1-Dichloropropene
Concen: 18.368 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101545		
110	36.1	17.3	52.0	
77	31.6	24.7	37.1	





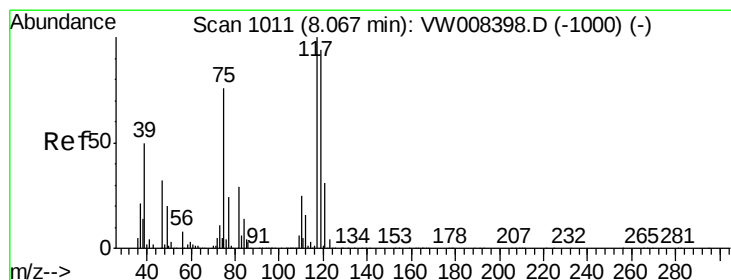
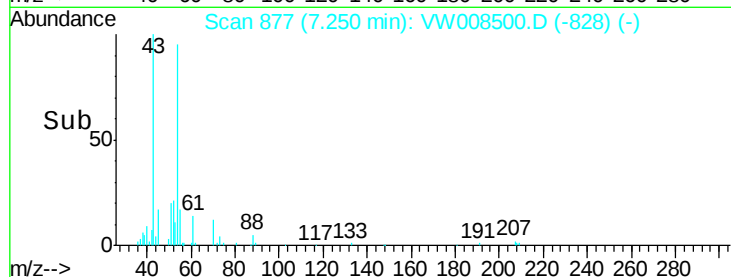
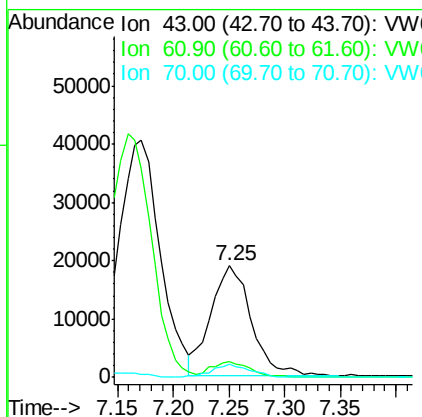
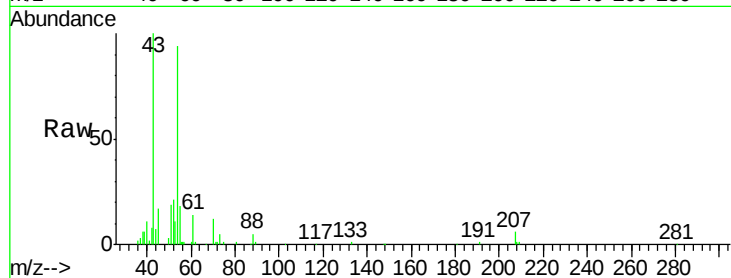
#37
Ethyl Acetate
Concen: 19.538 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleID :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.1	15.1
70	11.3	7.8	11.6

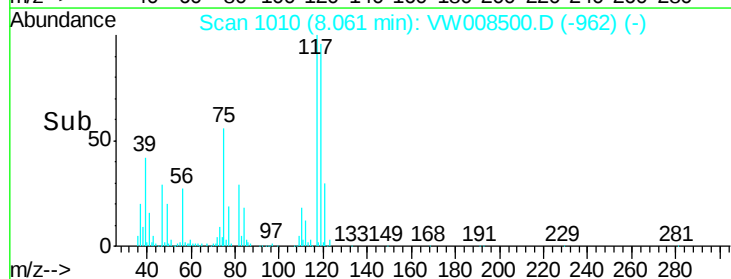
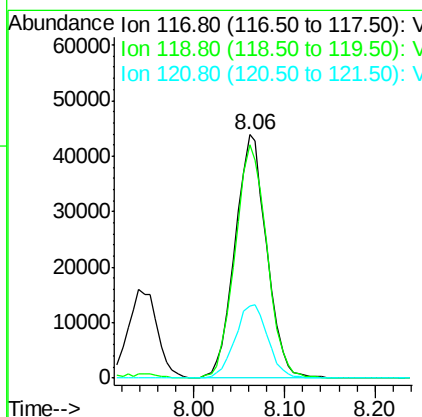
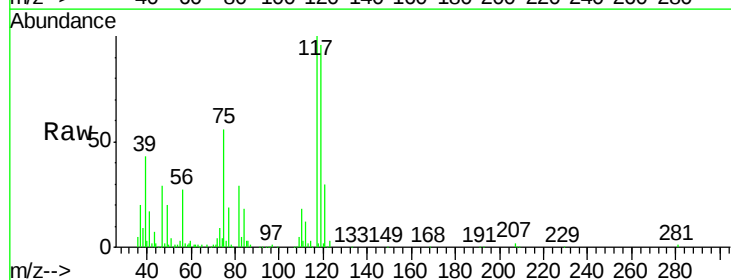
Manual Integrations
APPROVED

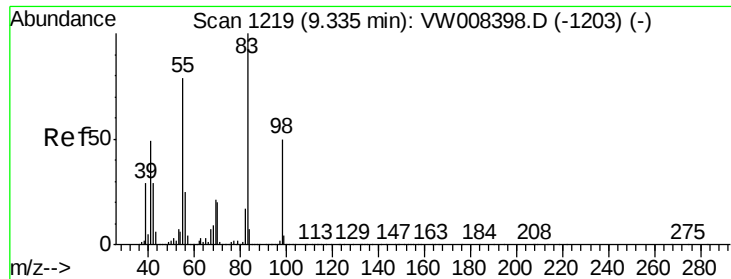
MMDadoda
2/5/2019 10:42:57 AM



#38
Carbon Tetrachloride
Concen: 19.064 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.0	112.4
121	29.6	24.9	37.3





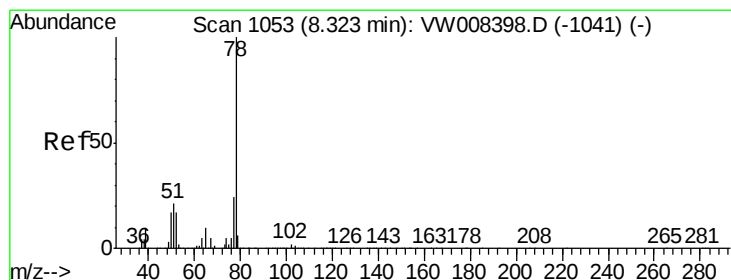
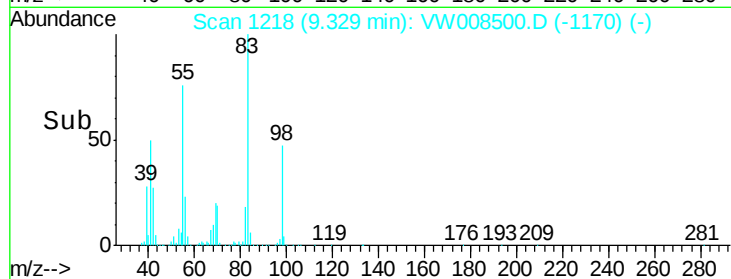
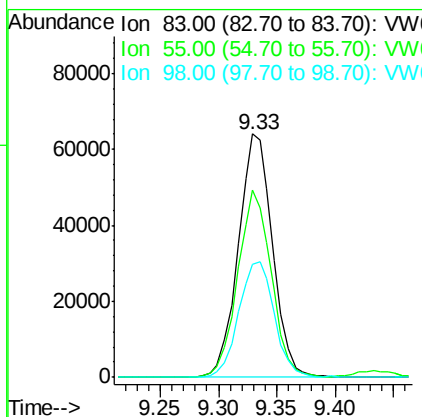
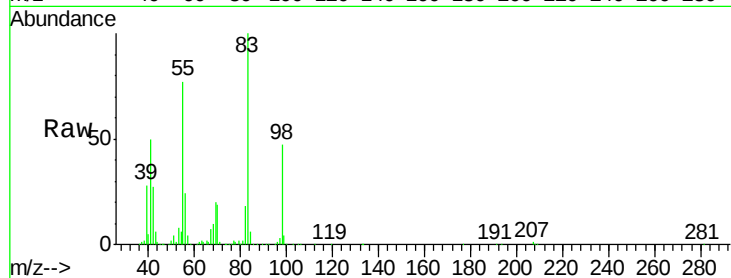
#39
Methvlcvclohexane
Concen: 18.026 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	63.3	94.9
98	46.6	39.7	59.5

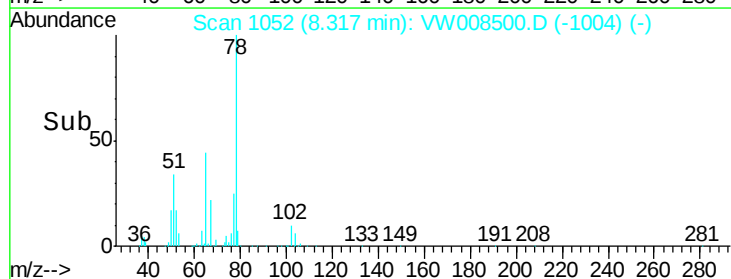
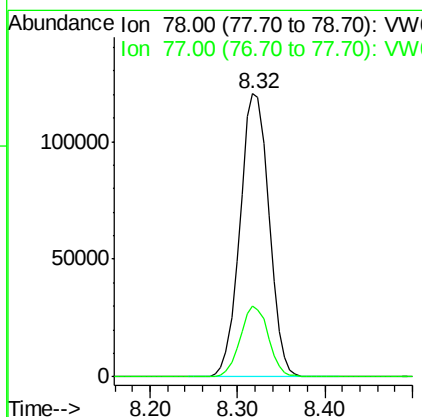
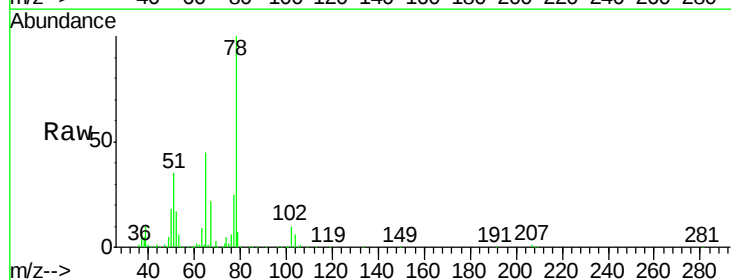
Manual Integrations
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2/5/2019 10:42:57 AM



#40
Benzene
Concen: 18.134 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.6





#41

Methacrylonitrile

Concen: 16.372 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

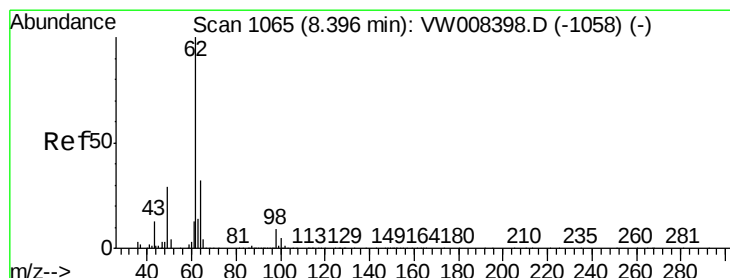
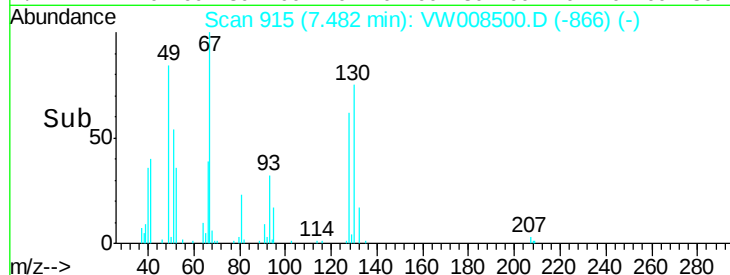
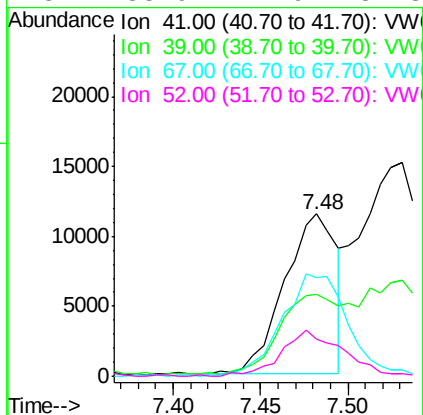
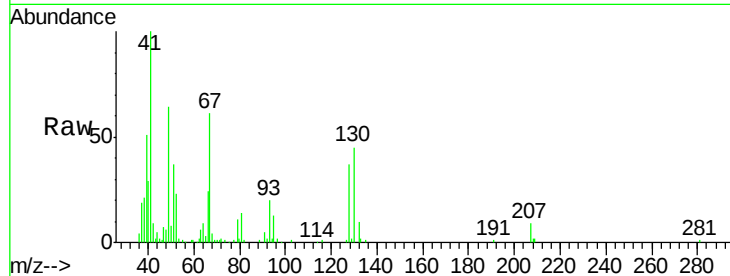
ClientSampleId :

VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.4	65.0
67	81.0	54.2	81.2
52	33.9	22.9	34.3

Manual Integrations
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2/5/2019 10:42:57 AM



#42

1,2-Dichloroethane

Concen: 18.739 ug/l

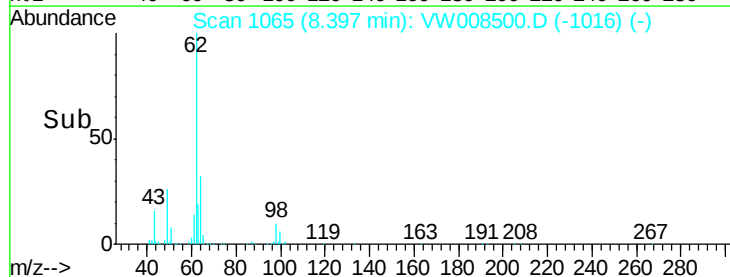
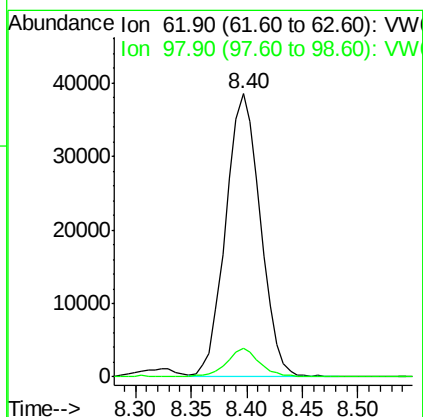
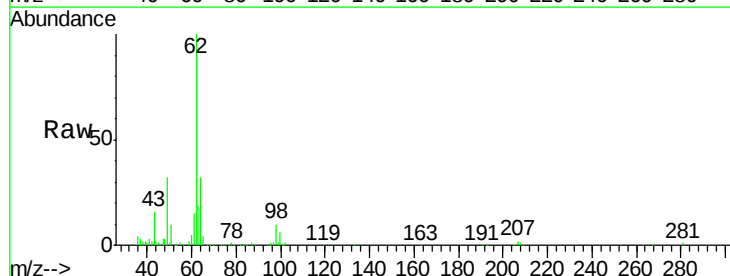
RT: 8.40 min Scan# 1065

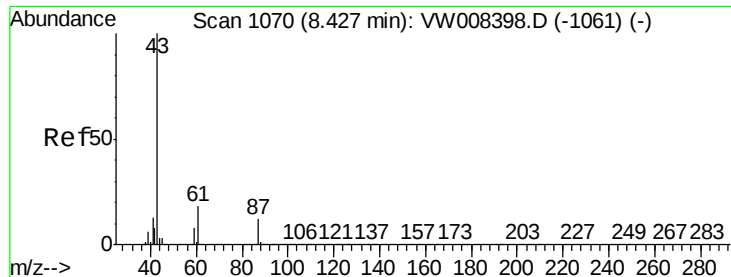
Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





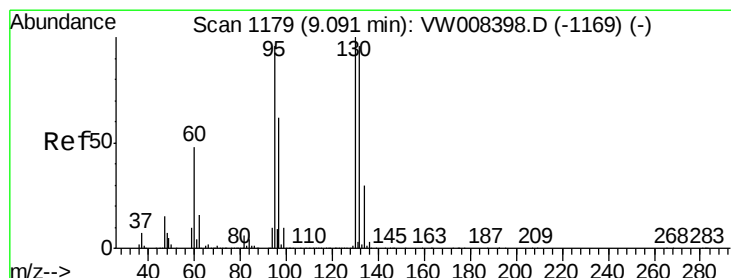
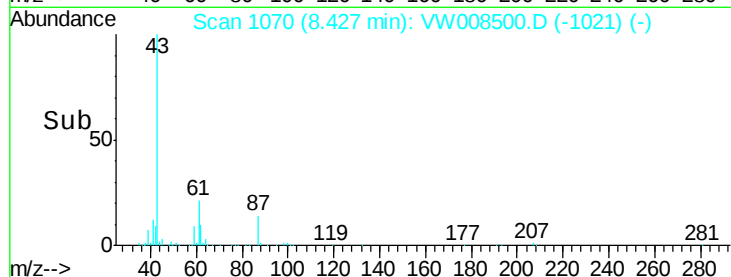
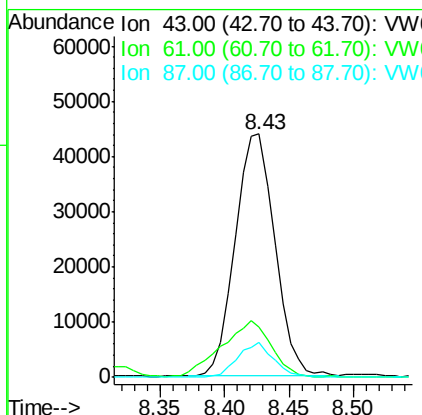
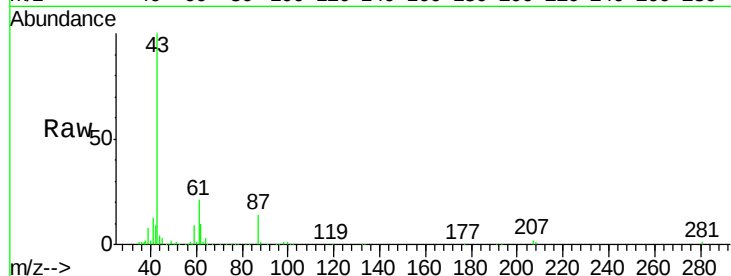
#43
Isopropyl Acetate
Concen: 18.496 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	43	Resp	93987
Ion Ratio	100	Lower	Upper
43	100		
61	29.6	22.0	33.0
87	12.9	9.3	13.9

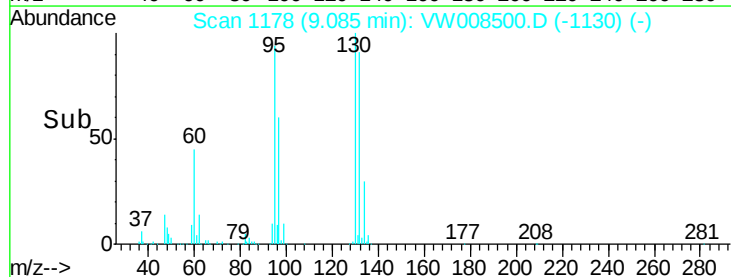
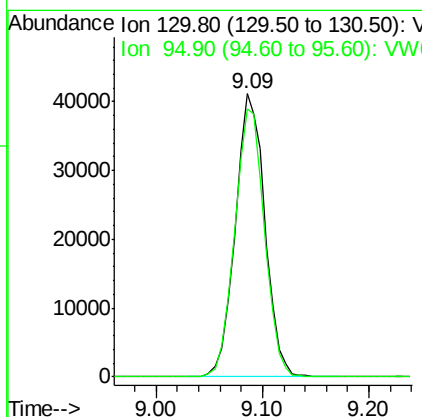
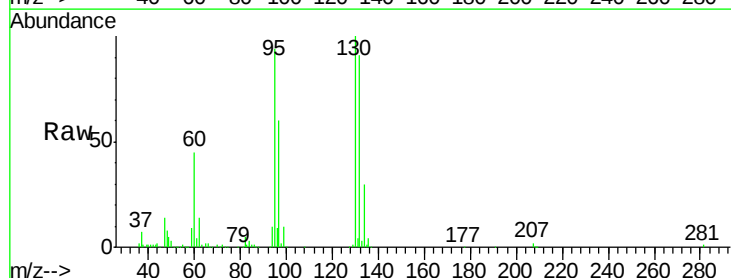
Manual Integrations
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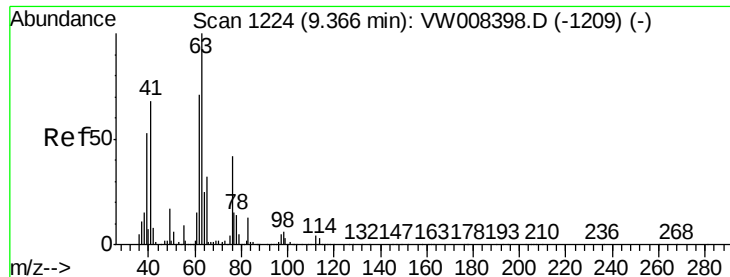
MMDadoda
2/5/2019 10:42:57 AM



#44
Trichloroethene
Concen: 19.203 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	130	Resp	80111
Ion Ratio	100	Lower	Upper
130	100		
95	94.5	0.0	191.6





#45

1,2-Dichloropropane

Concen: 18.045 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 63 Resp: 69023

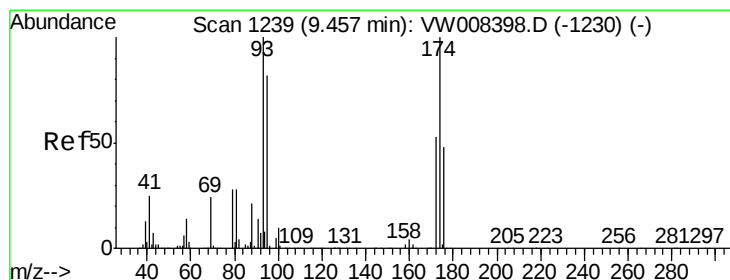
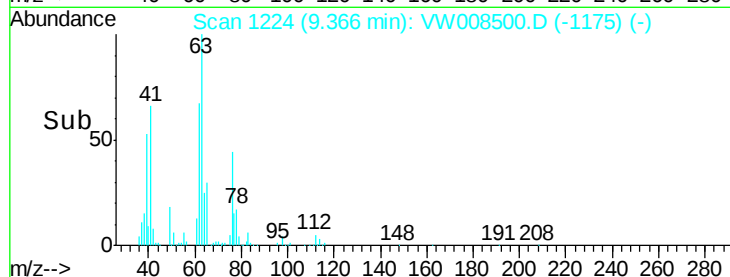
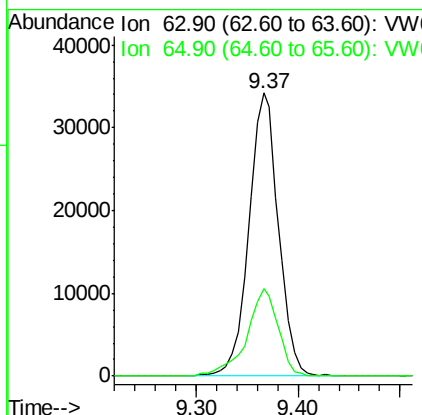
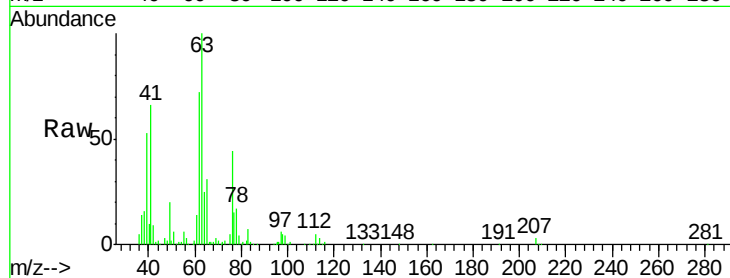
Ion Ratio Lower Upper

63 100

65 30.7 25.2 37.8

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#46

Dibromomethane

Concen: 18.808 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

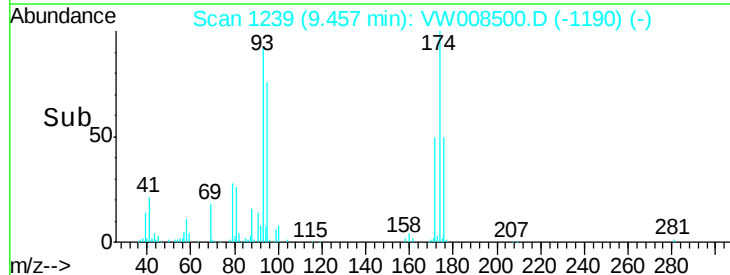
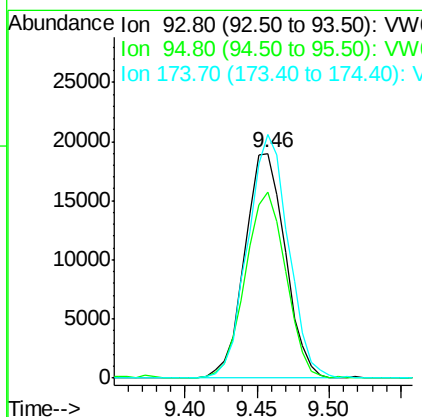
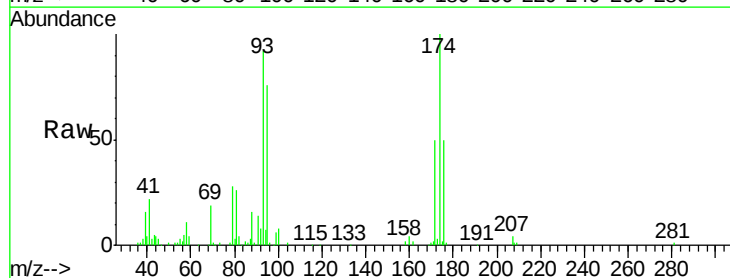
Tgt Ion: 93 Resp: 37002

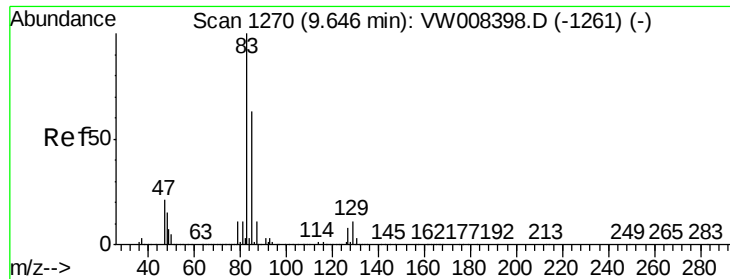
Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

174 108.8 81.0 121.6





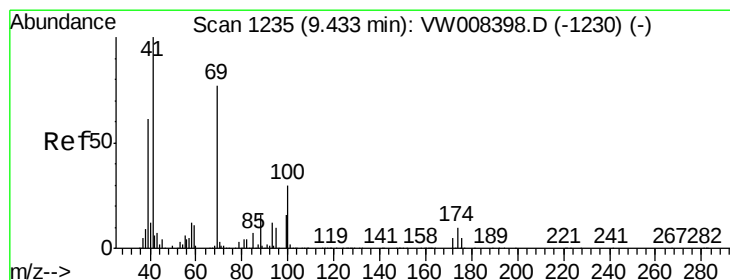
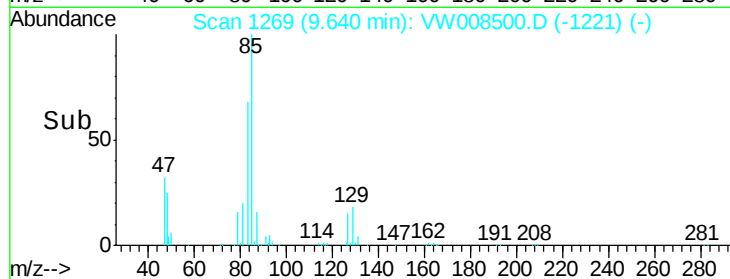
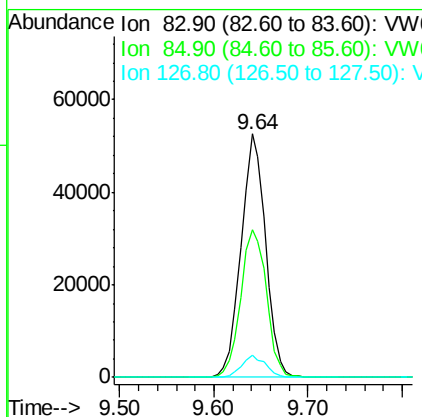
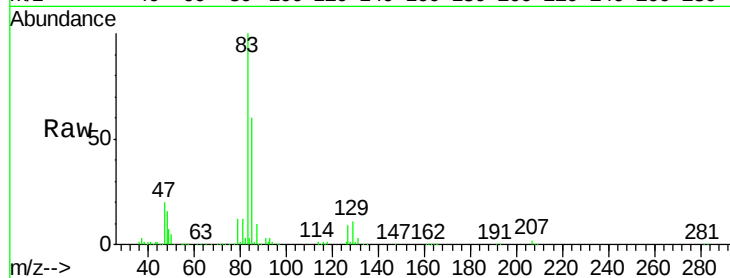
#47
Bromodichloromethane
Concen: 18.383 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	95661		
85	60.4		50.8	76.2
127	9.3		6.8	10.2

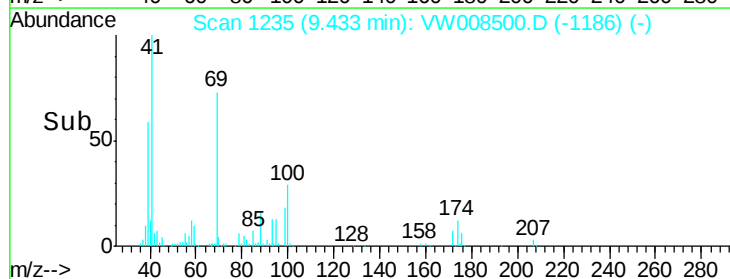
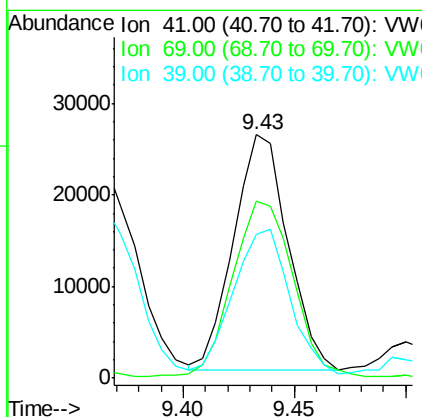
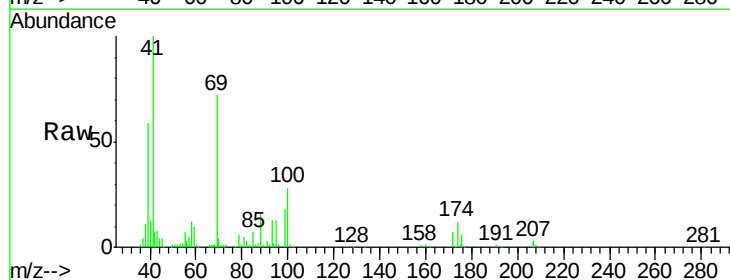
Manual Integrations
APPROVED

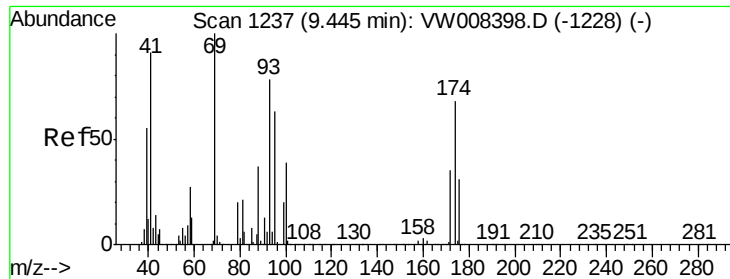
MMDadoda
2/5/2019 10:42:57 AM



#48
Methyl methacrylate
Concen: 17.592 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	43711		
69	83.7		64.8	97.2
39	62.5		49.1	73.7





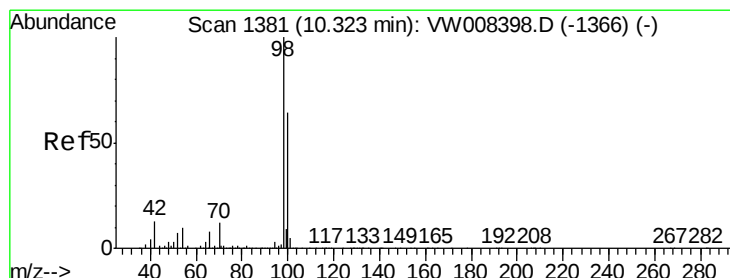
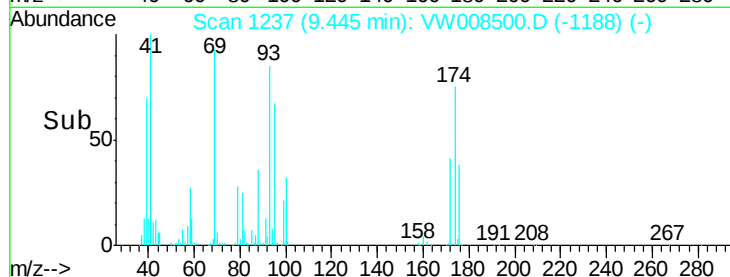
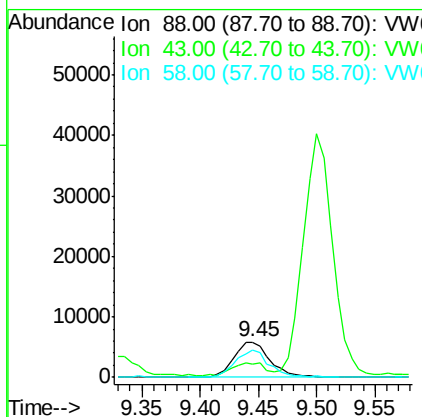
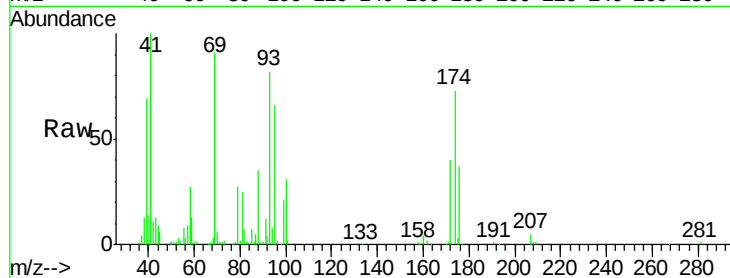
#49
1,4-Dioxane
Concen: 374.294 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.0	43.4
58	75.6	56.4	84.6

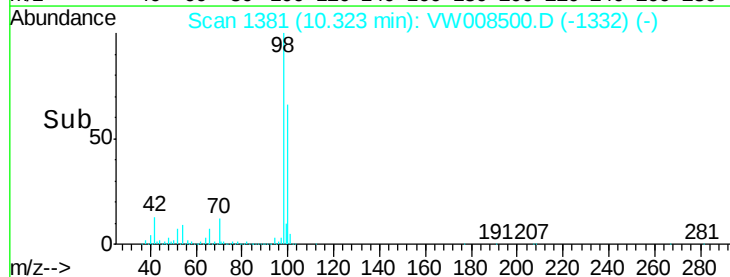
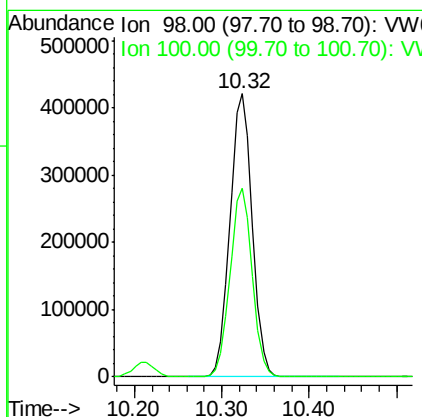
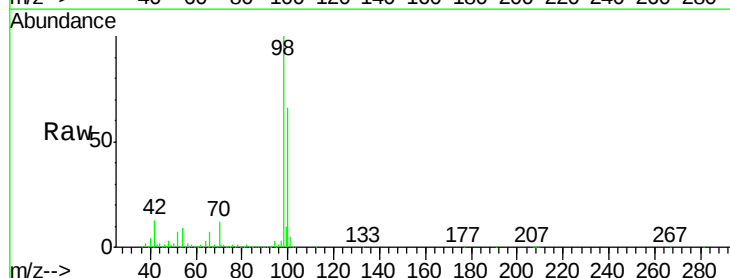
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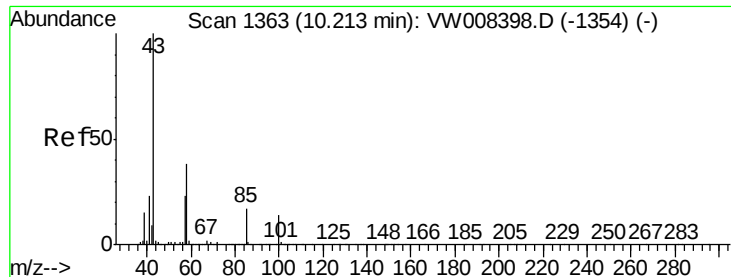
MMDadoda
2/5/2019 10:42:57 AM



#50
Toluene-d8
Concen: 54.350 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 91.981 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 43 Resp: 230913

Ion Ratio Lower Upper

43 100

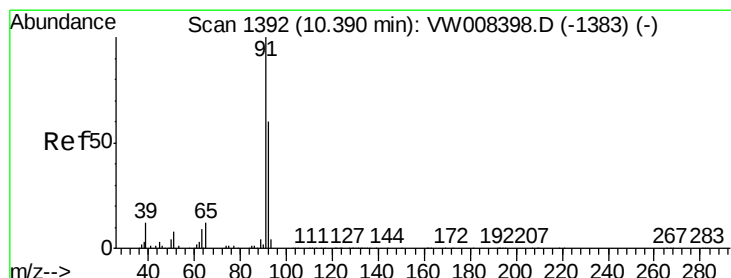
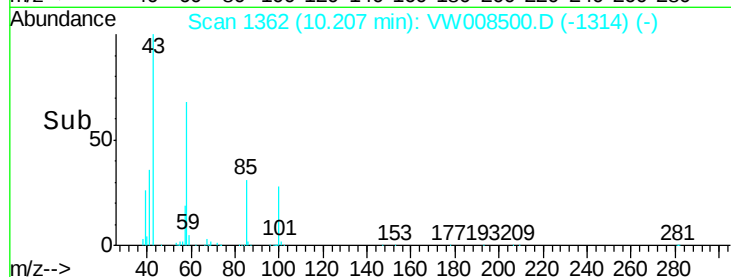
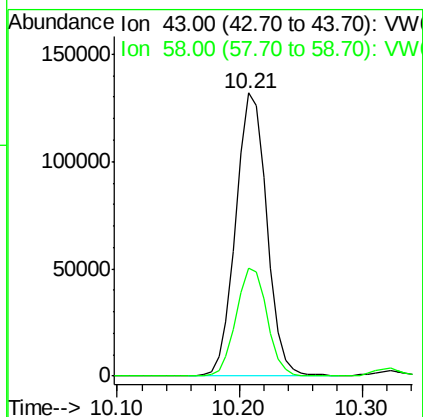
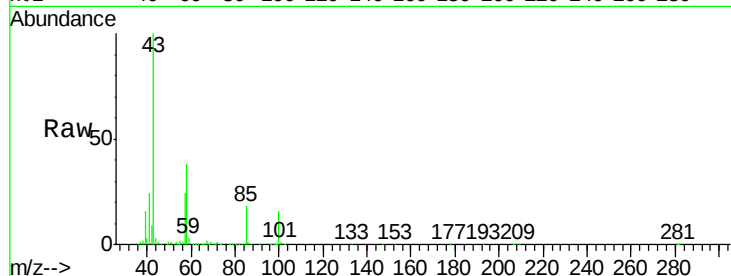
58 38.4 29.7 44.5

Manual Integrations

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MMDadoda

2/5/2019 10:42:57 AM



#52

Toluene

Concen: 17.874 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008500.D

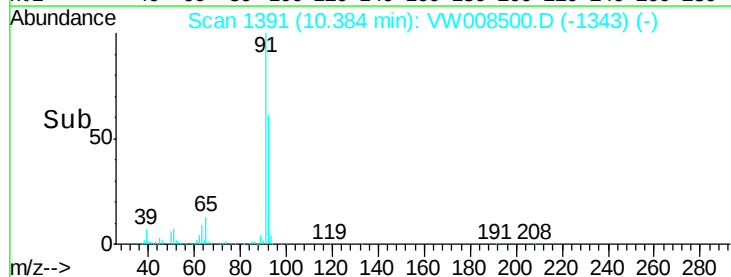
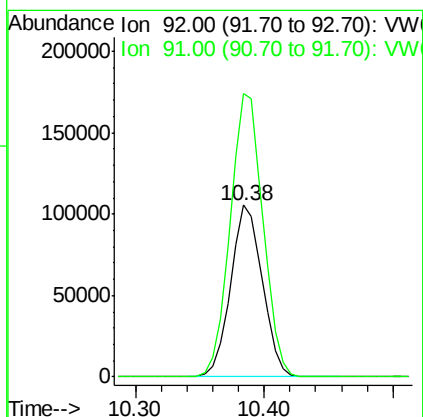
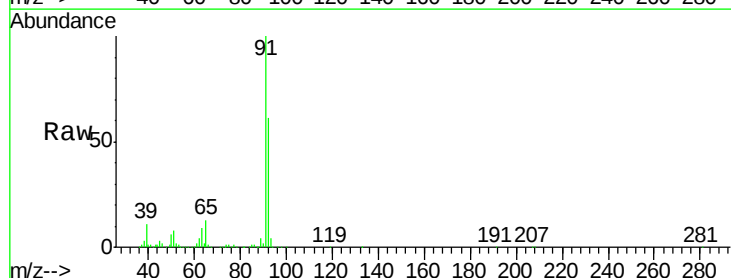
Acq: 04 Feb 2019 11:47

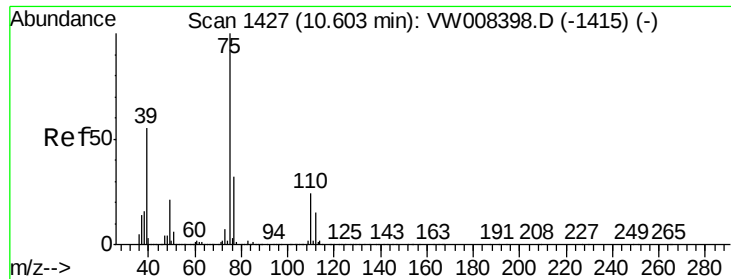
Tgt Ion: 92 Resp: 181007

Ion Ratio Lower Upper

92 100

91 170.2 135.5 203.3





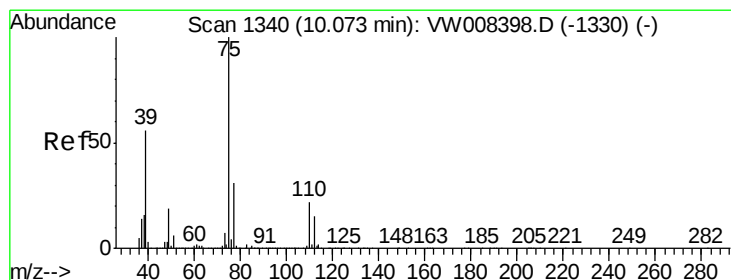
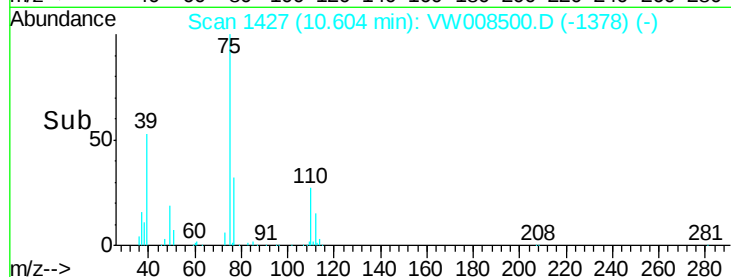
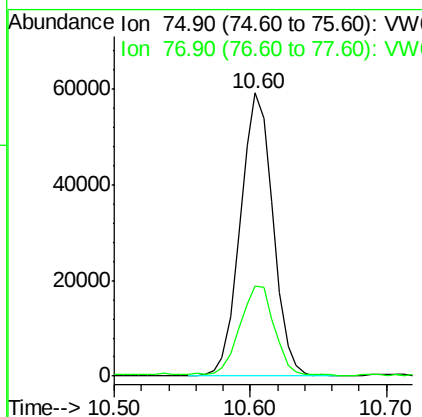
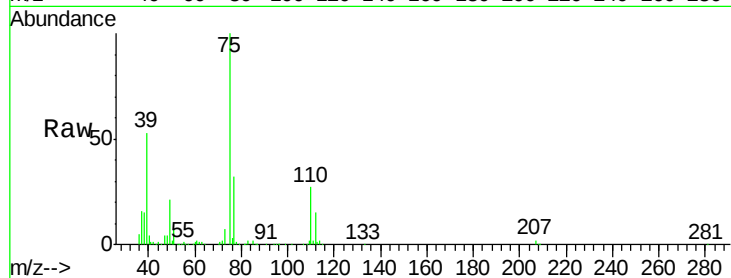
#53
t-1,3-Dichloropropene
Concen: 17.973 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0204SBSD01

Tot Ion: 75 Resp: 99520
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

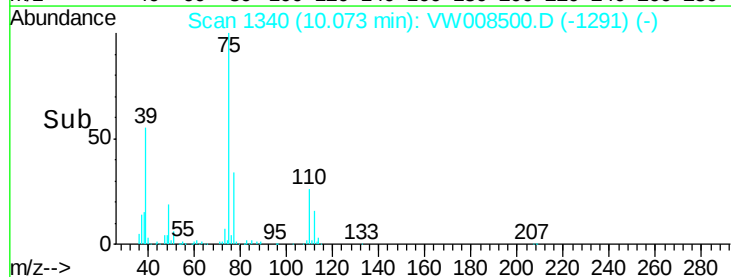
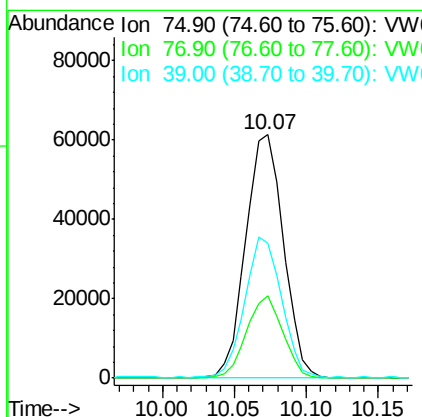
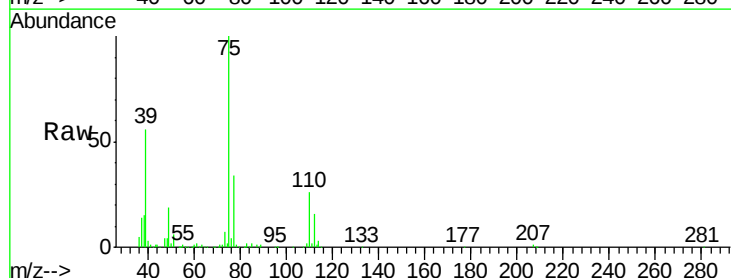
Manual Integrations
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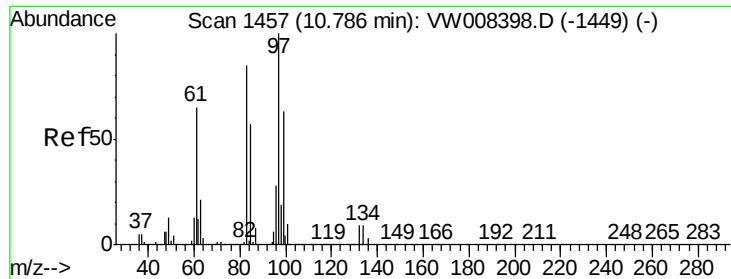
MMDadoda
2/5/2019 10:42:57 AM



#54
cis-1,3-Dichloropropene
Concen: 17.757 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion: 75 Resp: 111583
Ion Ratio Lower Upper
75 100
77 33.5 25.0 37.4
39 55.3 44.9 67.3





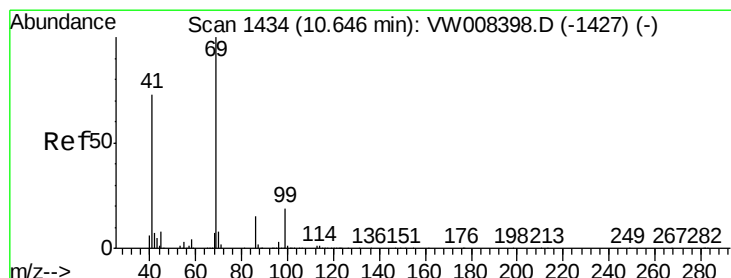
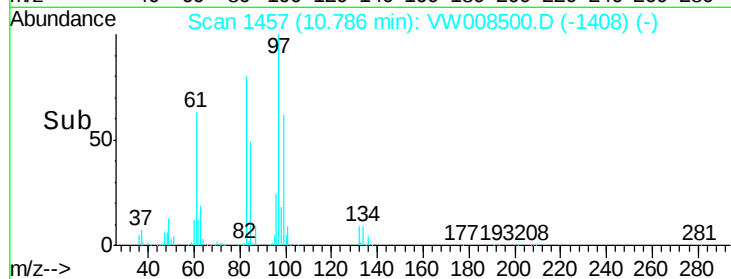
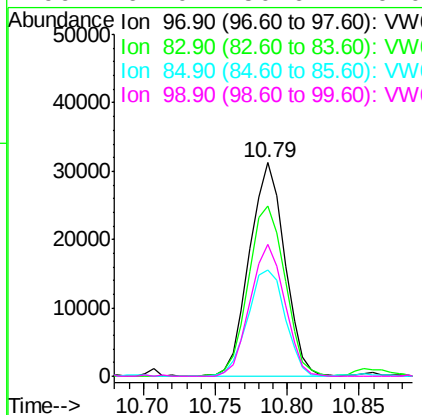
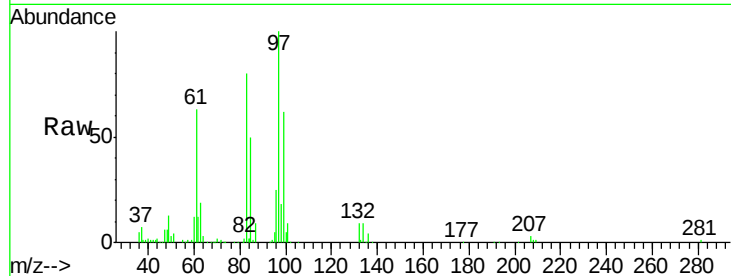
#55
 1,1,2-Trichloroethane
 Concen: 19.488 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBSD01

Tot Ion	97	Resp:	53180
Ion Ratio	Lower	Upper	
97	100		
83	79.9	68.4	102.6
85	49.6	45.3	67.9
99	62.0	50.6	76.0

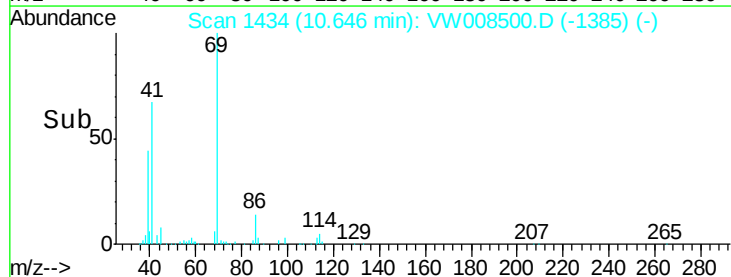
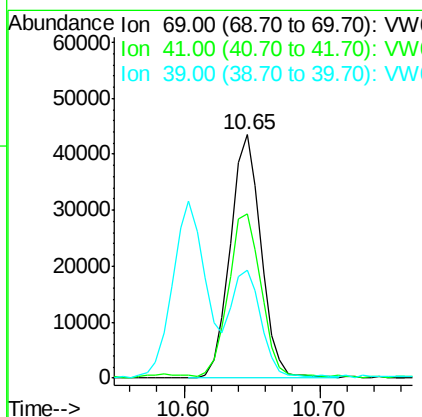
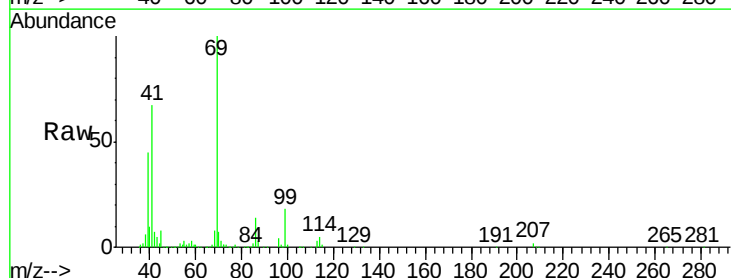
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 17.945 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Tgt Ion	69	Resp:	68618
Ion Ratio	Lower	Upper	
69	100		
41	70.5	58.7	88.1
39	41.4	32.6	48.8





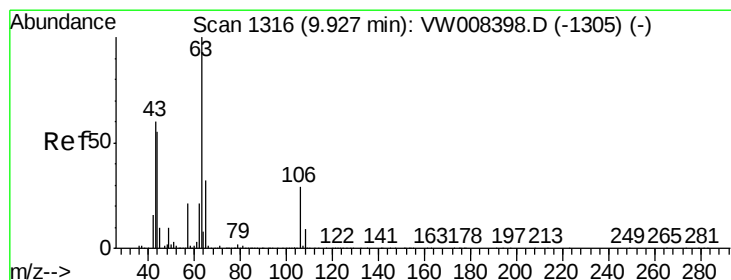
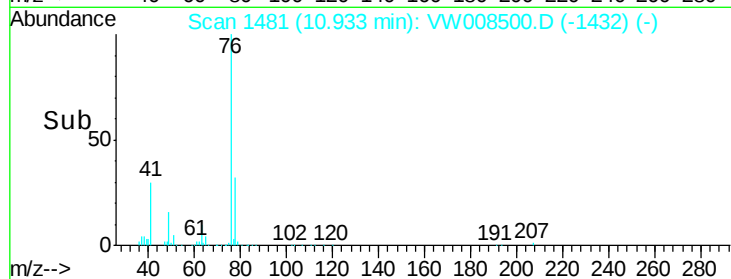
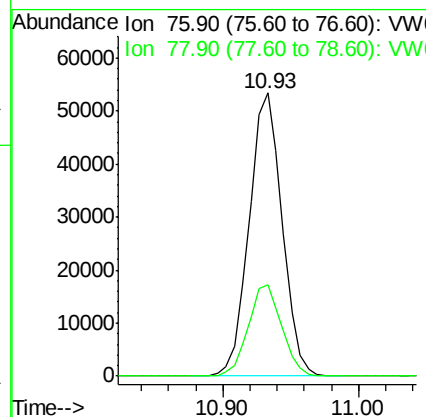
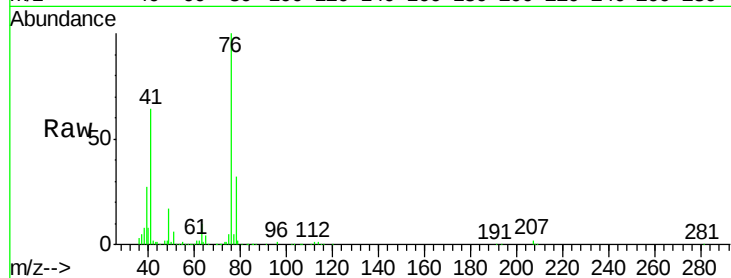
#57
 1,3-Dichloropropane
 Concen: 18.546 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8

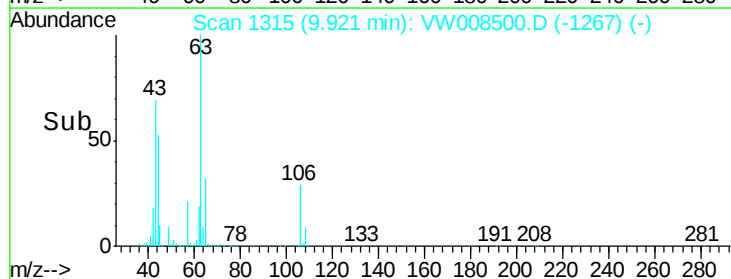
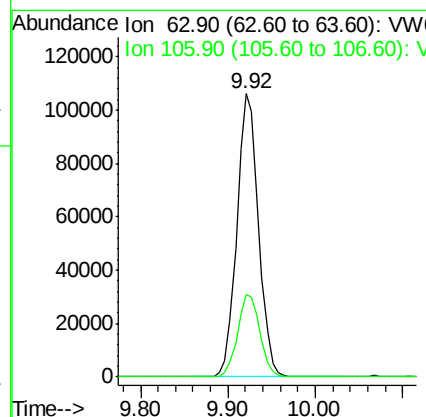
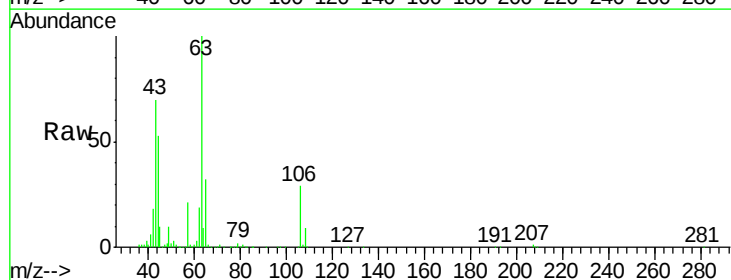
Manual Integrations
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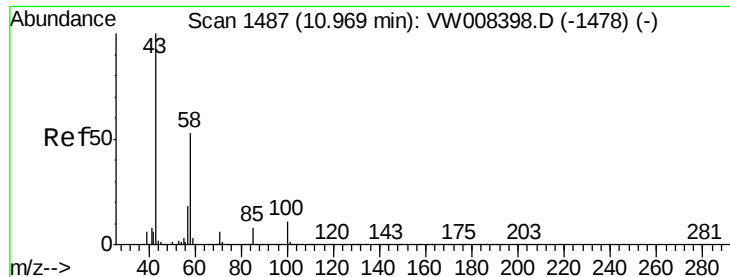
MMDadoda
 2/5/2019 10:42:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.404 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	22.4	33.6





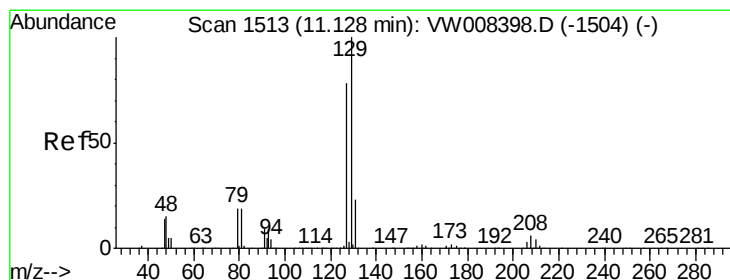
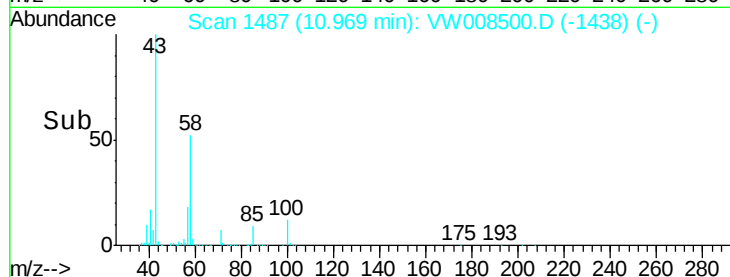
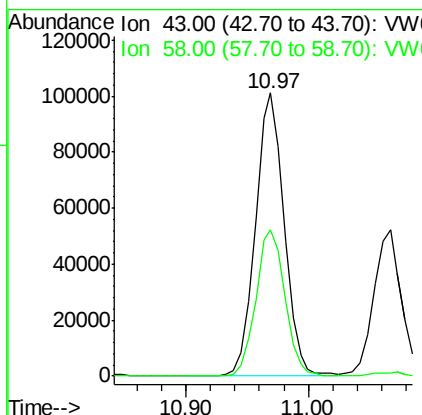
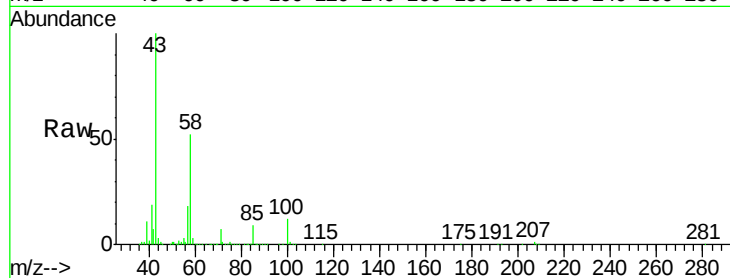
#59
2-Hexanone
Concen: 93.244 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion: 43 Resp: 165253
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7

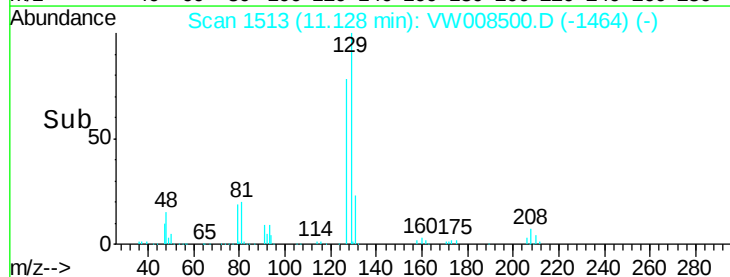
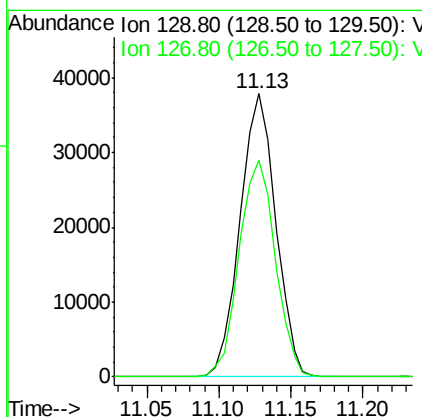
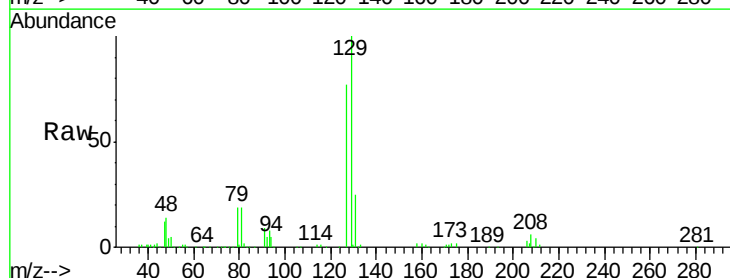
Manual Integrations
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MMDadoda
2/5/2019 10:42:57 AM



#60
Dibromochloromethane
Concen: 18.599 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion: 129 Resp: 65224
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.443 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 107 Resp: 52608

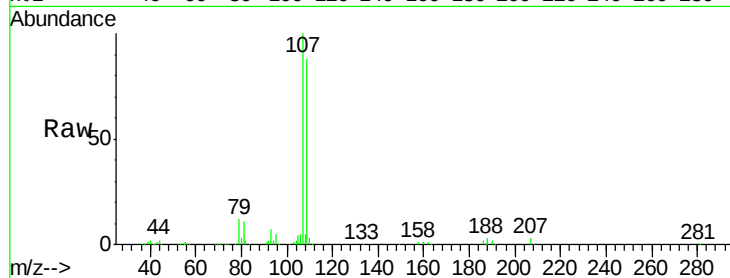
Ion Ratio Lower Upper

107 100

109 92.3 75.0 112.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

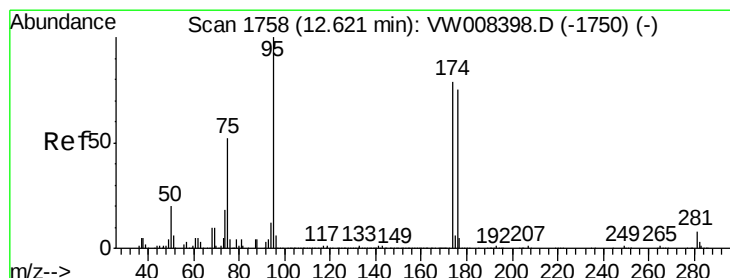
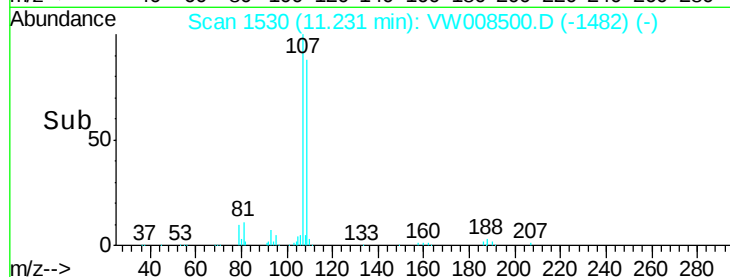
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.057 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

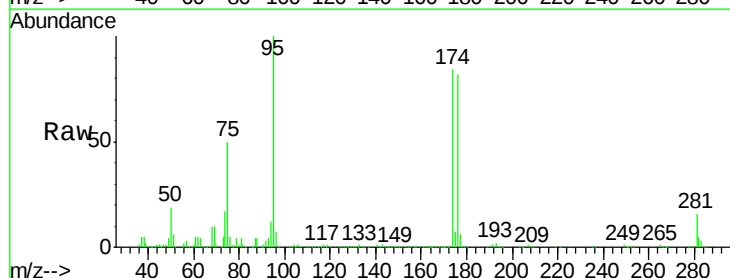
Tgt Ion: 95 Resp: 279876

Ion Ratio Lower Upper

95 100

174 82.3 0.0 157.6

176 80.3 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

200000

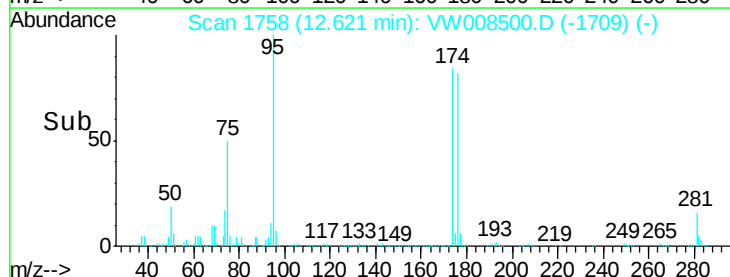
150000

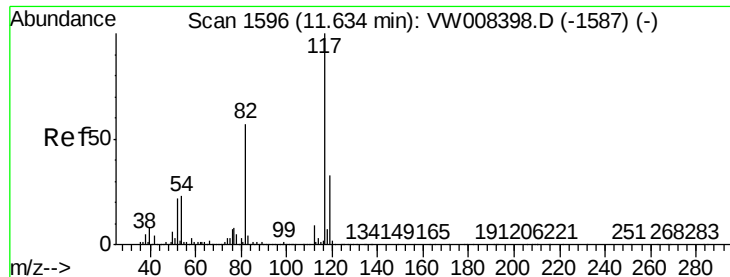
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50000

0

Time-->





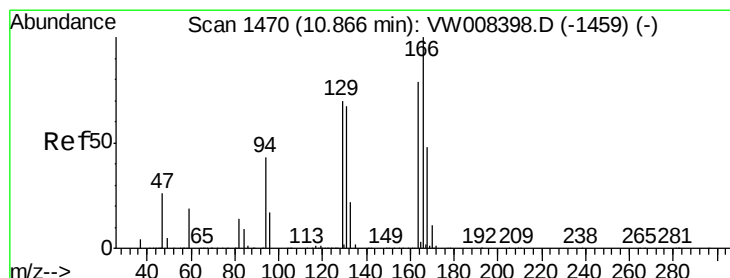
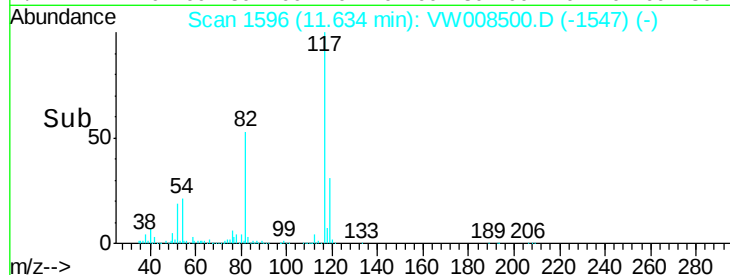
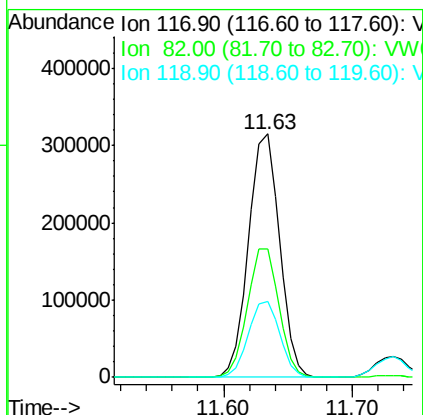
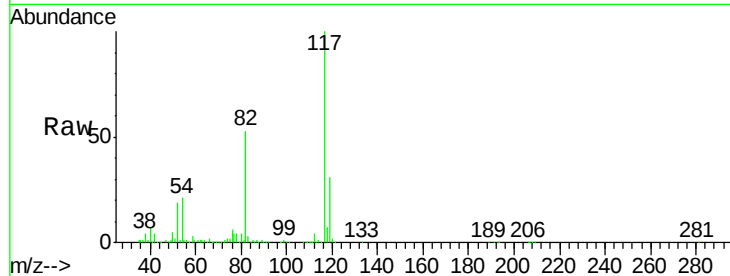
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	524138		
82	52.5	45.4	68.0	
119	31.1	26.2	39.4	

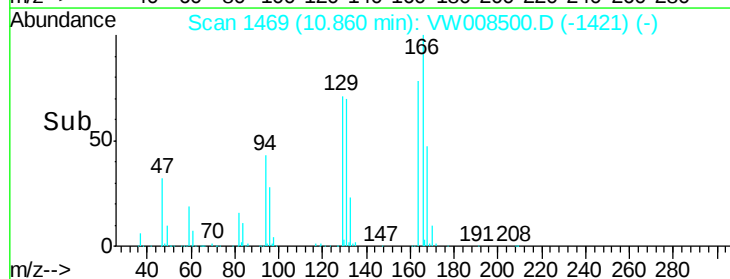
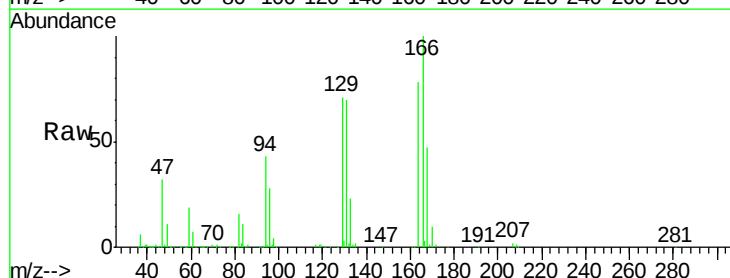
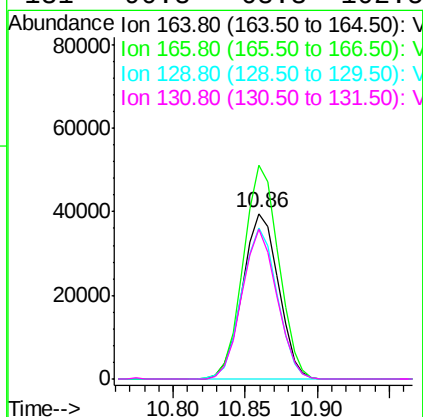
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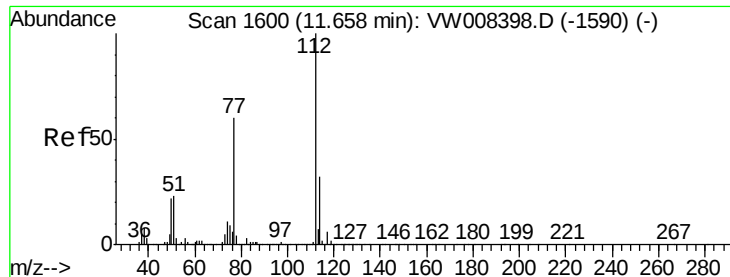
MMDadoda
2/5/2019 10:42:57 AM



#64
Tetrachloroethene
Concen: 19.283 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68430		
166	129.0	101.4	152.0	
129	91.4	71.0	106.6	
131	90.8	68.3	102.5	





#65

Chlorobenzene

Concen: 18.759 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion:112 Resp: 200717

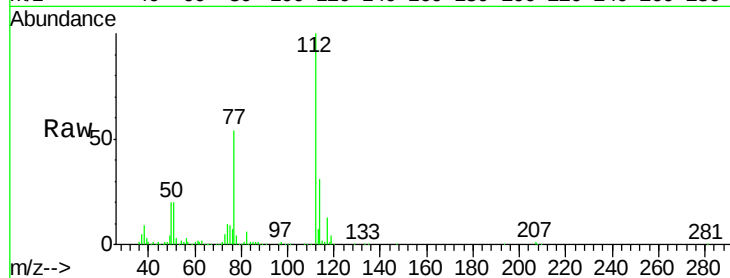
Ion Ratio Lower Upper

112 100

114 31.3 25.4 38.2

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

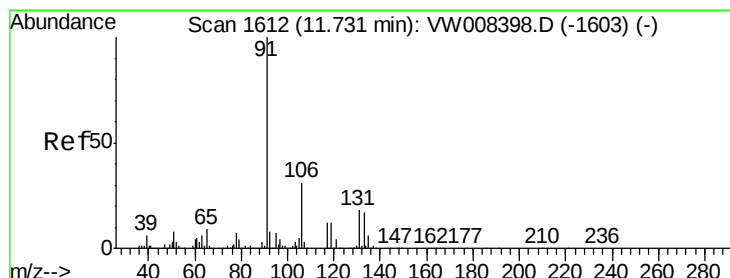
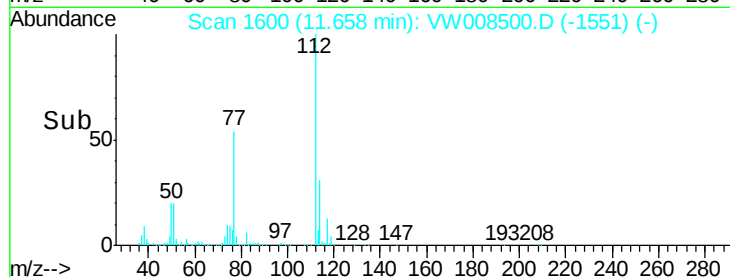
11.66

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.731 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

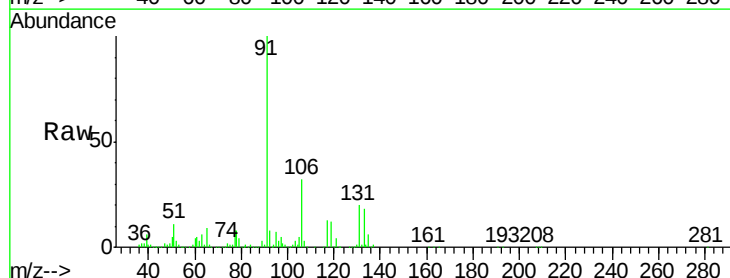
Tgt Ion:131 Resp: 71704

Ion Ratio Lower Upper

131 100

133 96.6 47.0 141.2

119 63.5 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

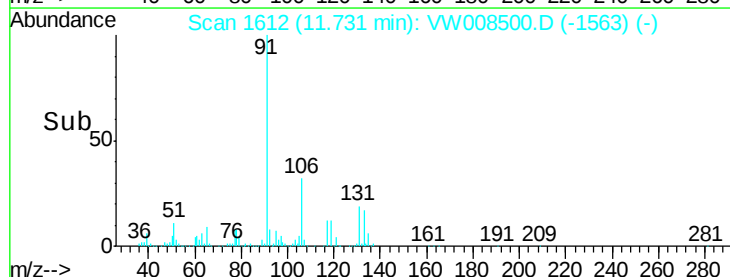
11.73

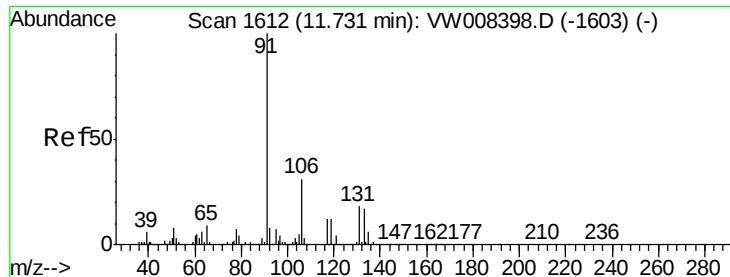
100000

50000

0

Time-->





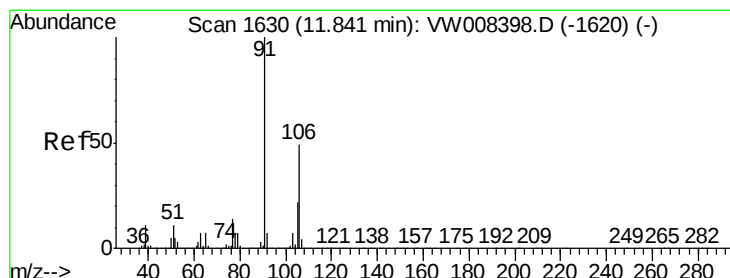
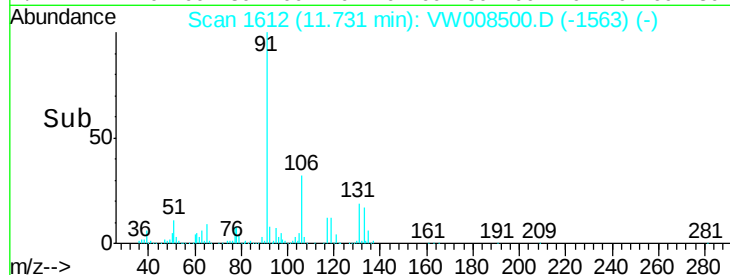
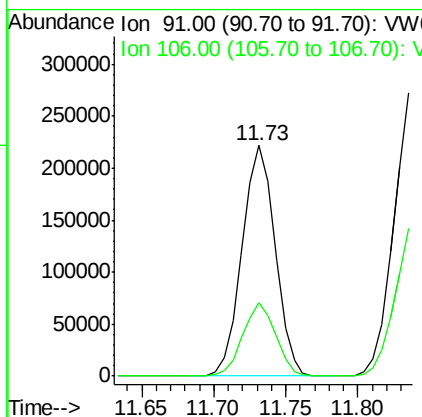
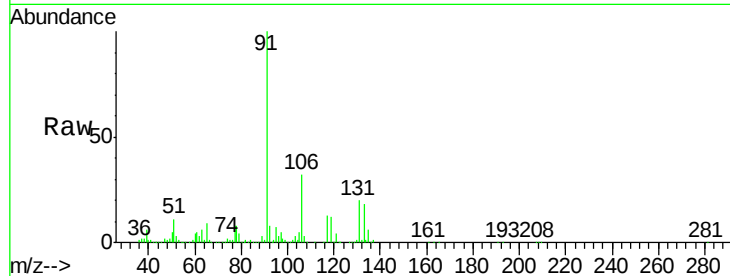
#67
Ethyl Benzene
Concen: 17.898 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion: 91 Resp: 352006
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1

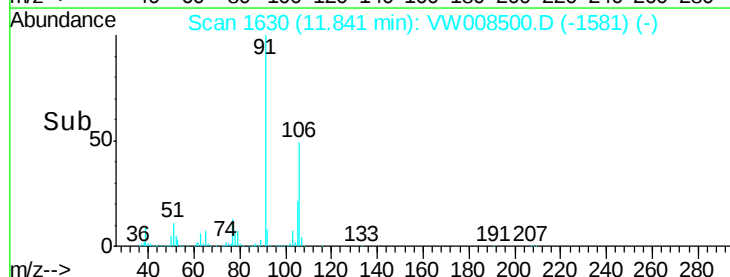
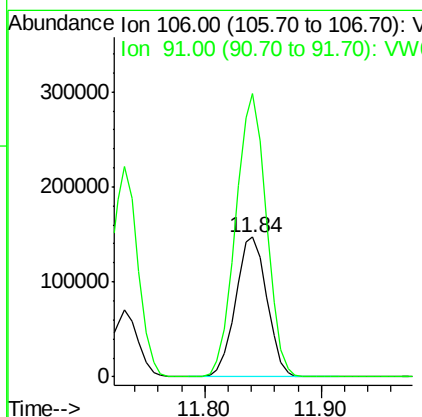
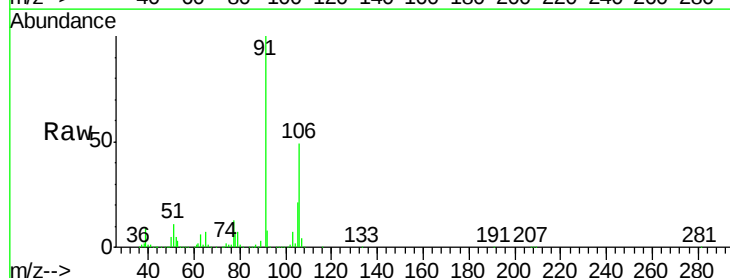
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#68
m/p-Xylenes
Concen: 36.254 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion: 106 Resp: 276652
Ion Ratio Lower Upper
106 100
91 197.5 162.9 244.3





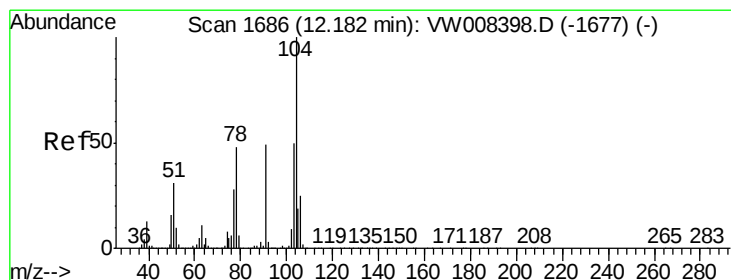
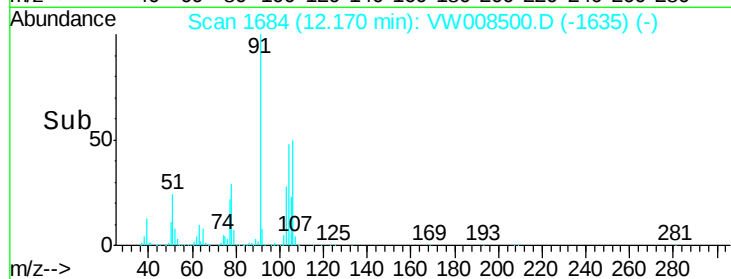
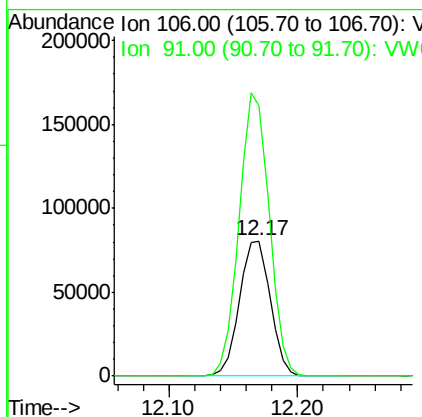
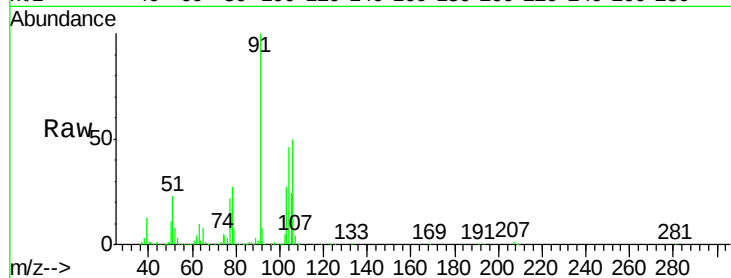
#69
o-Xylene
Concen: 18.413 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.9	107.5	322.4

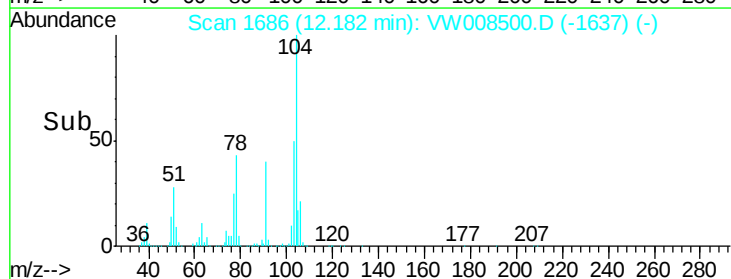
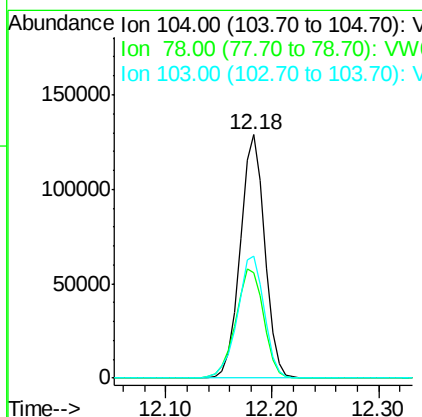
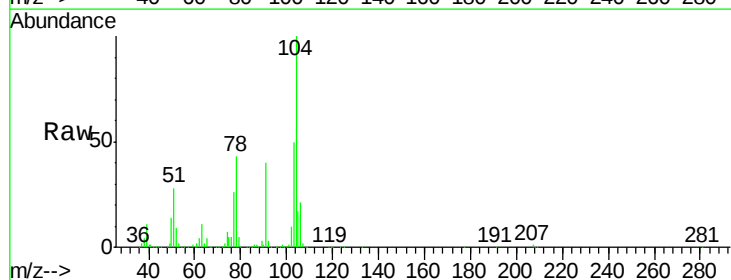
Manual Integrations
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#70
Styrene
Concen: 17.354 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.4	63.6
103	55.1	43.4	65.0





#71

Bromoform

Concen: 18.671 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

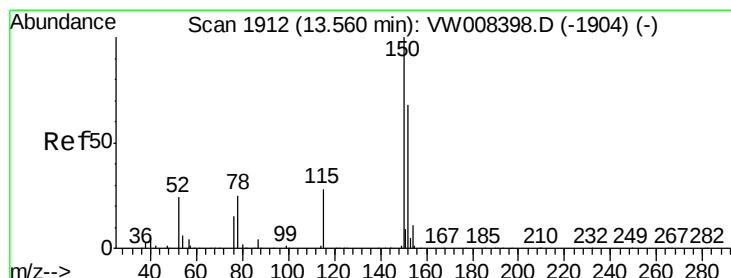
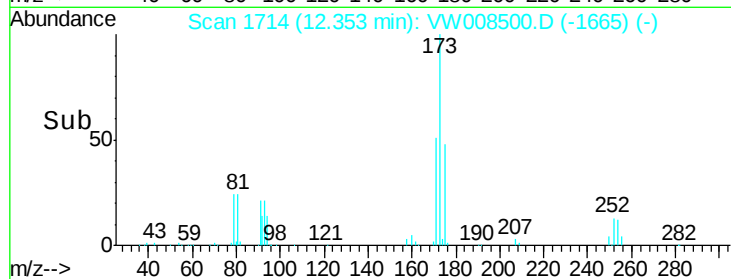
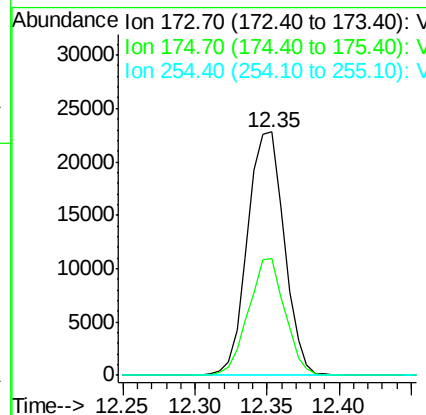
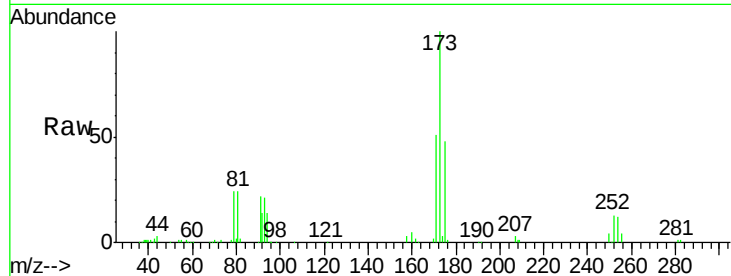
ClientSampleId :

VW0204SBSD01

Tot Ion:	173	Resp:	40215
Ion Ratio	Lower	Upper	
173	100		
175	47.7	24.4	73.4
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

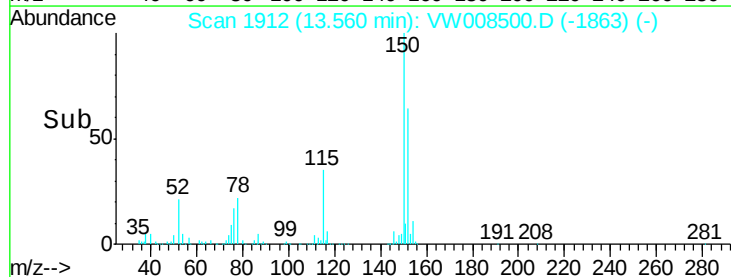
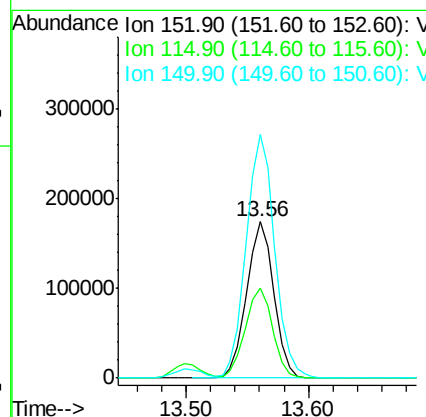
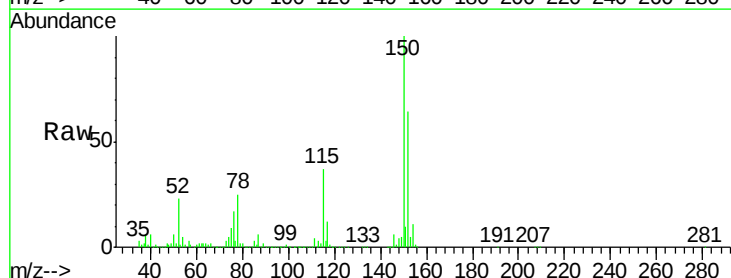
RT: 13.56 min Scan# 1912

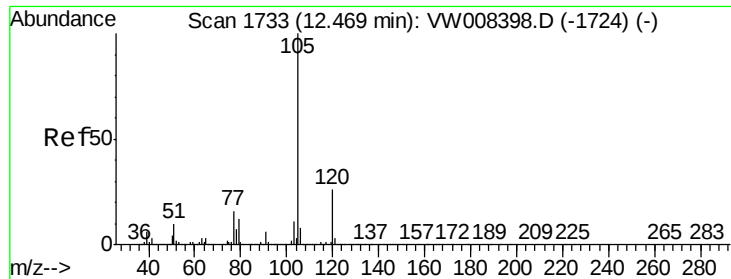
Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion:	152	Resp:	269621
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.9	89.7
150	163.6	0.0	351.4





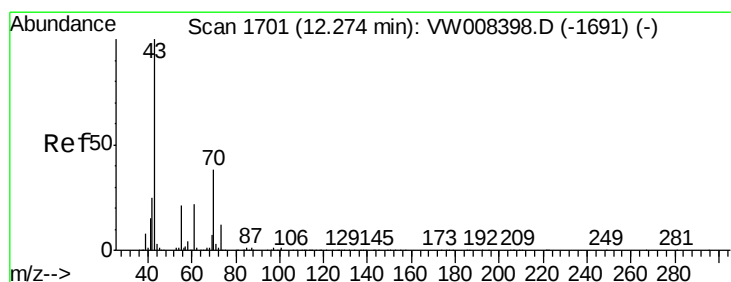
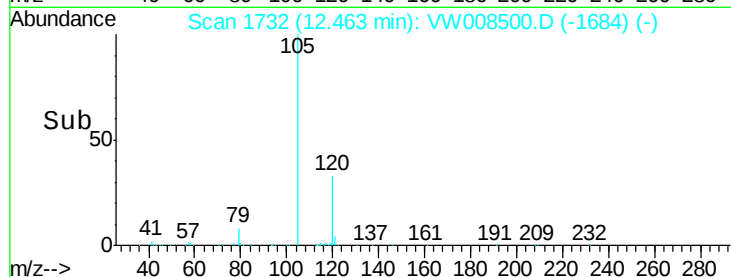
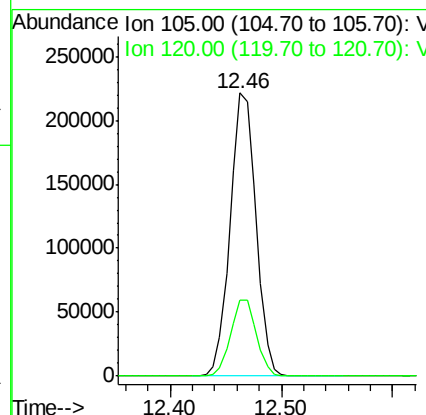
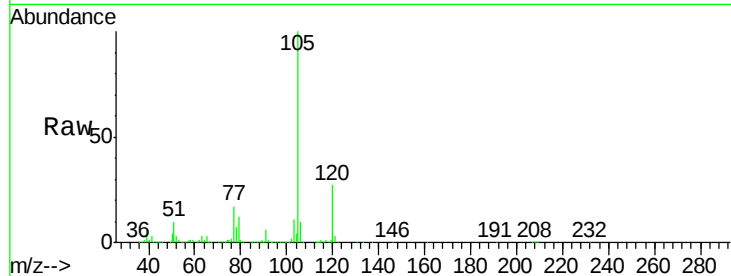
#73
Isopropylbenzene
Concen: 17.688 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.8

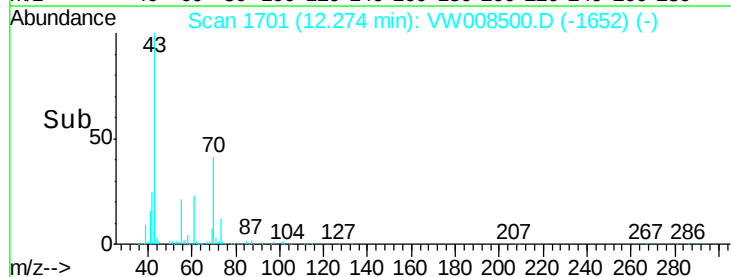
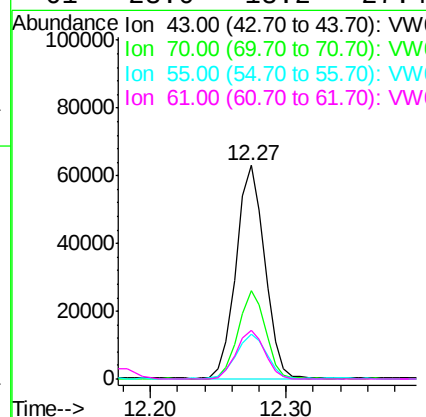
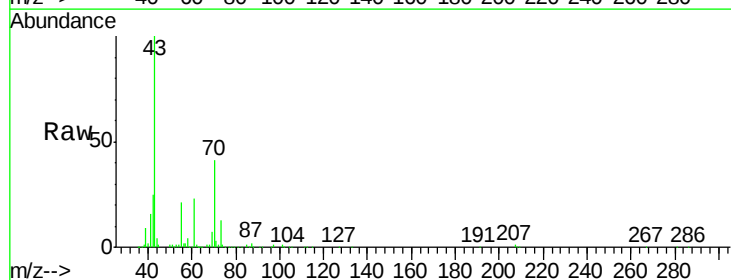
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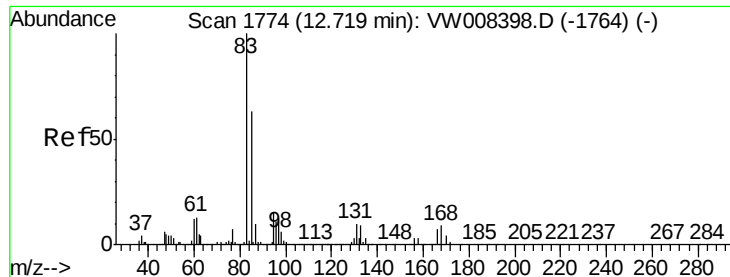
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#74
N-ethyl acetate
Concen: 17.827 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.0	46.6
55	21.9	17.4	26.2
61	23.0	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.521 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

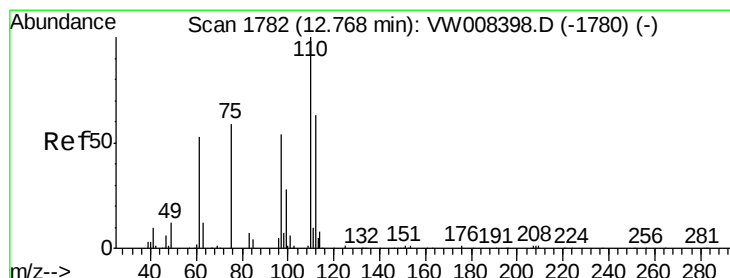
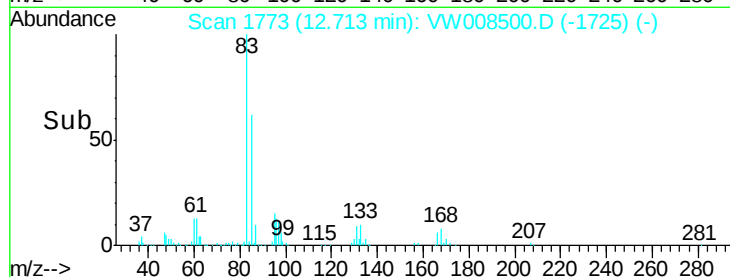
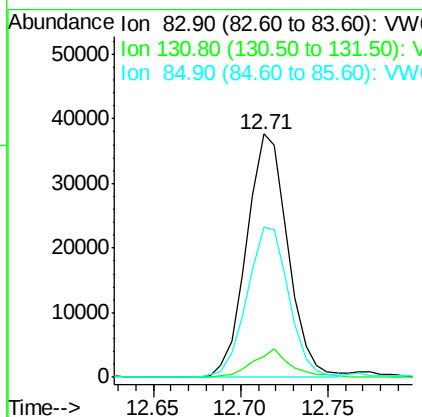
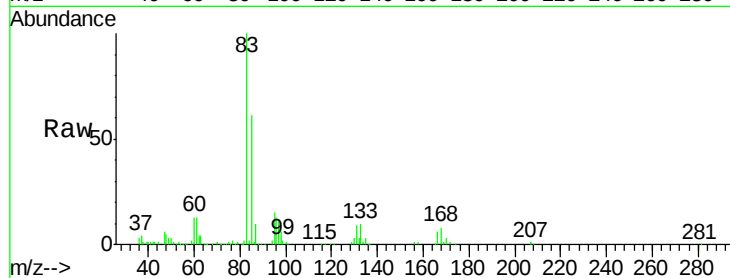
ClientSampleId :

VW0204SBSD01

Tot Ion:	83	Resp:	62124
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	62.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 18.591 ug/l m

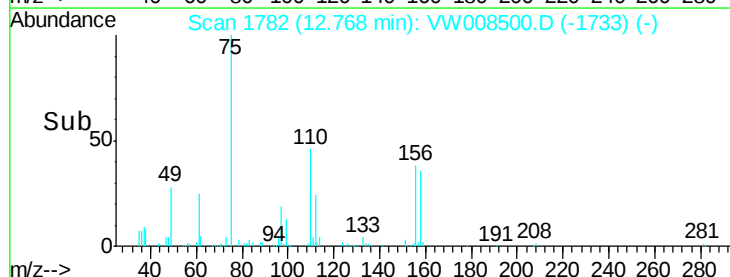
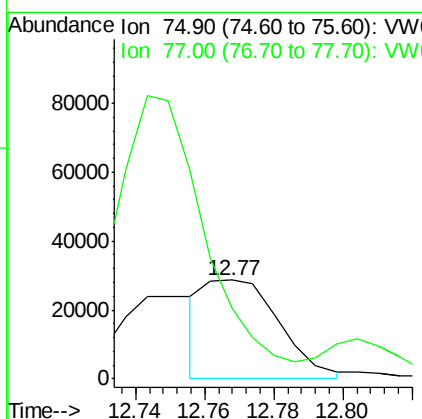
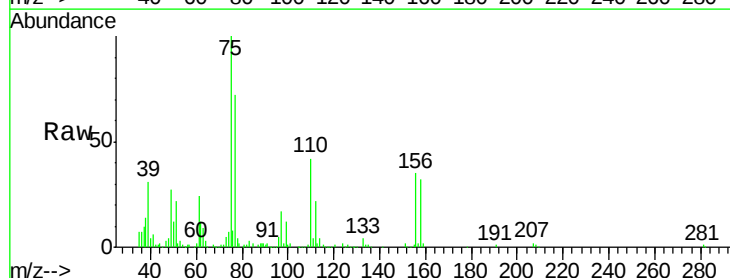
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion:	75	Resp:	43580
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





#77

Bromobenzene

Concen: 19.179 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

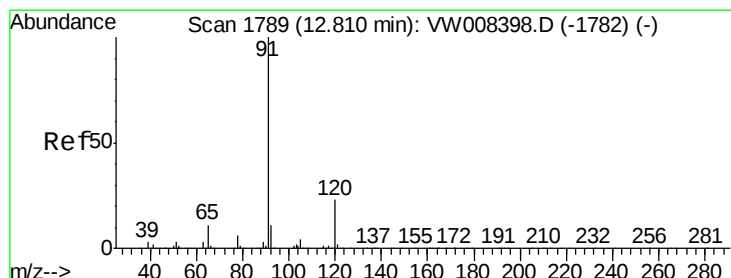
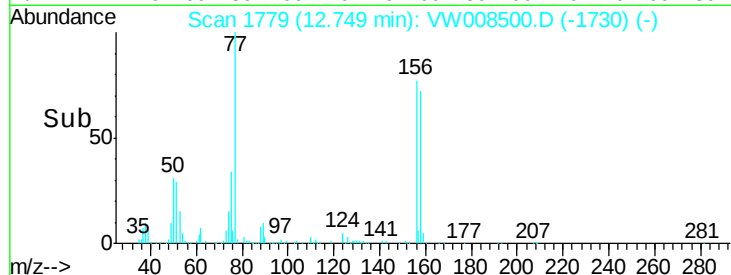
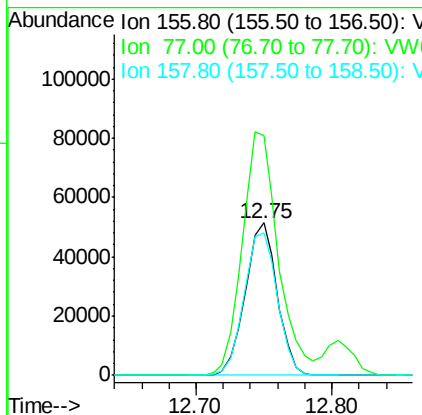
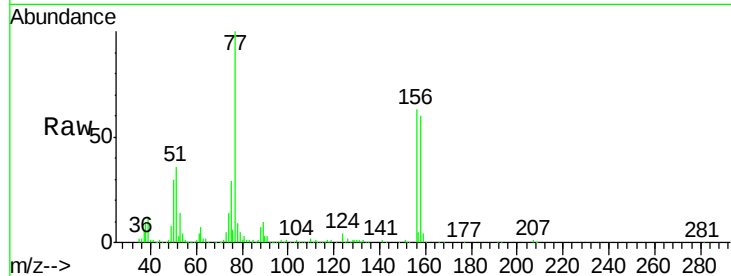
ClientSampleId :

VW0204SBSD01

Tot Ion:	156	Resp:	84193
Ion Ratio	Lower	Upper	
156	100		
77	180.6	96.9	290.7
158	97.7	48.8	146.4

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#78

n-propylbenzene

Concen: 17.860 ug/l

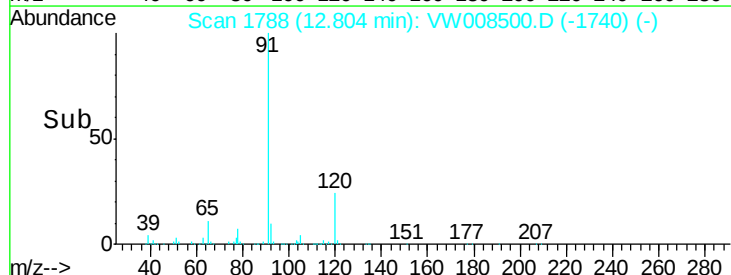
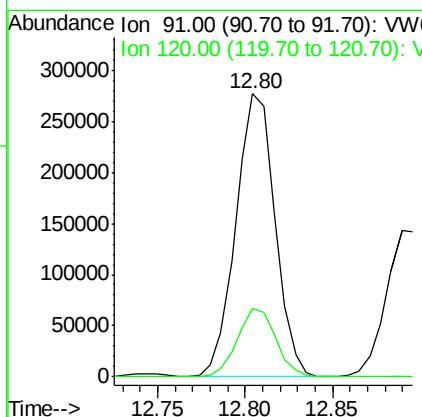
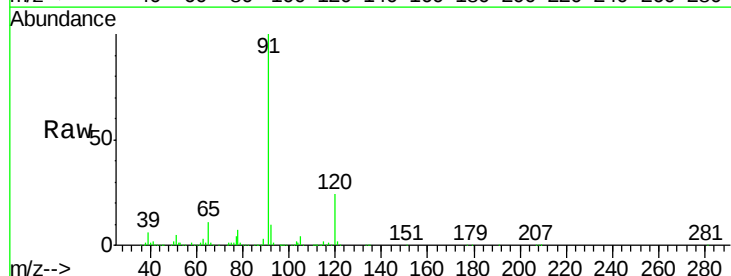
RT: 12.80 min Scan# 1788

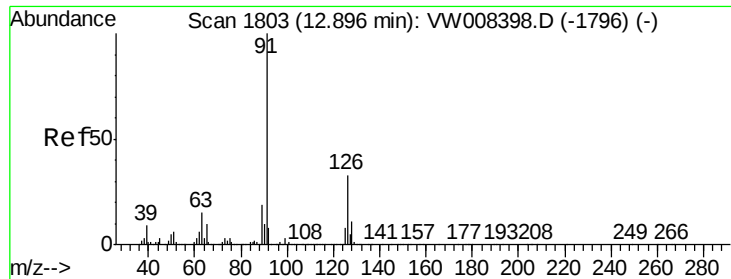
Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion:	91	Resp:	431183
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.628 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBSD01

Tot Ion: 91 Resp: 240151

Ion Ratio Lower Upper

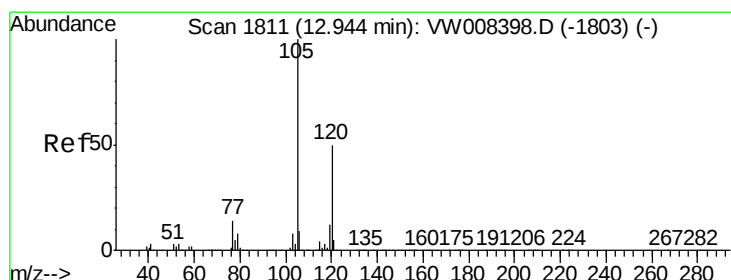
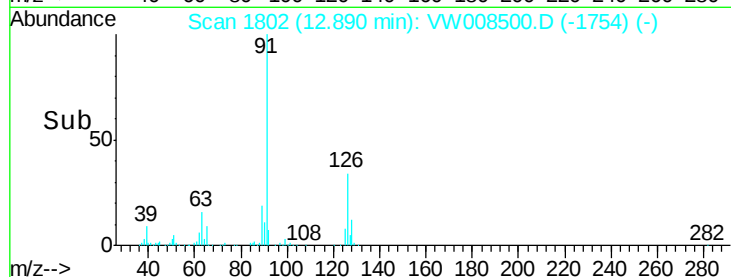
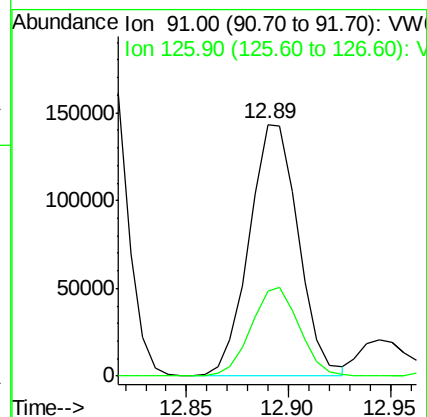
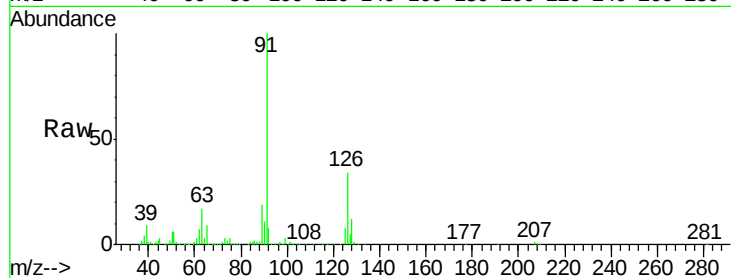
91 100

126 34.6 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 17.840 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008500.D

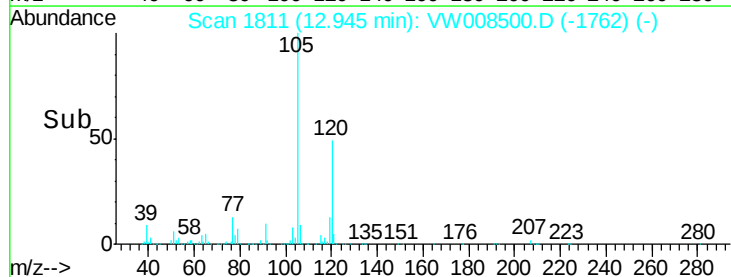
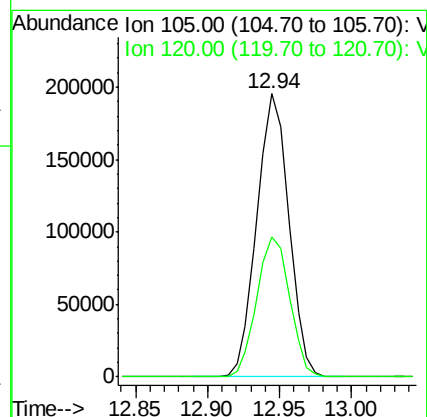
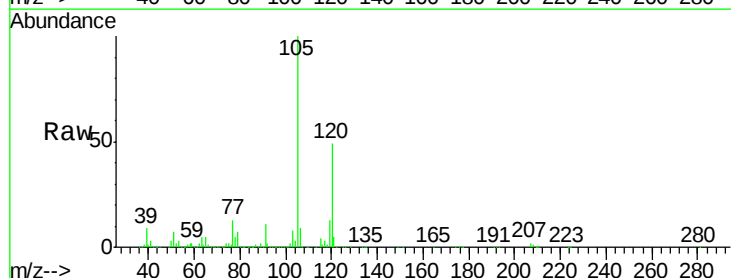
Acq: 04 Feb 2019 11:47

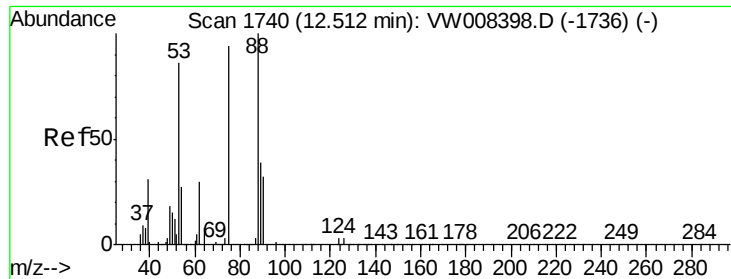
Tgt Ion: 105 Resp: 299730

Ion Ratio Lower Upper

105 100

120 50.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.774 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Instrument :

MSVOA_W

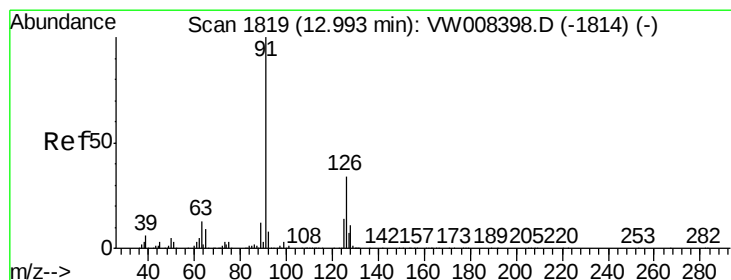
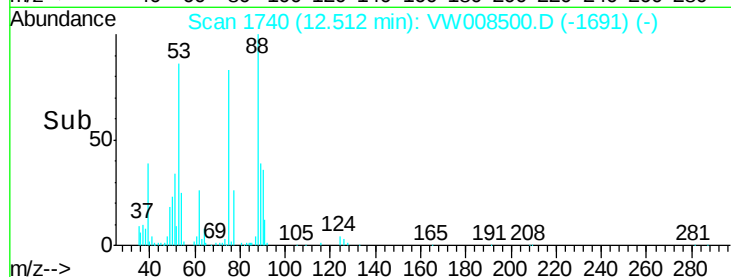
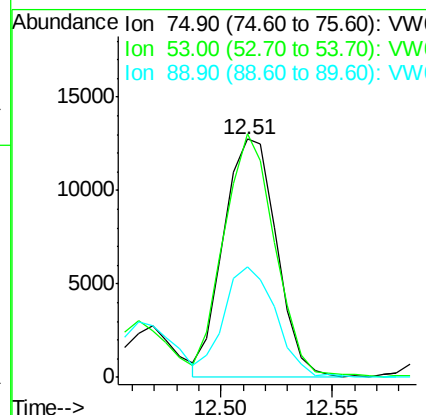
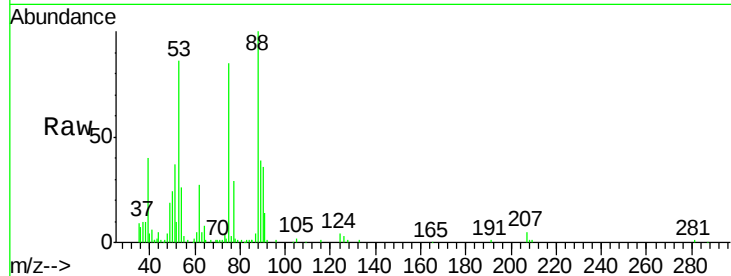
ClientSampleId :

VW0204SBS01

Tot Ion:	75	Resp:	21095
Ion Ratio	Lower	Upper	
75	100		
53	97.9	76.0	114.0
89	45.7	35.4	53.0

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#82

4-Chlorotoluene

Concen: 17.389 ug/l

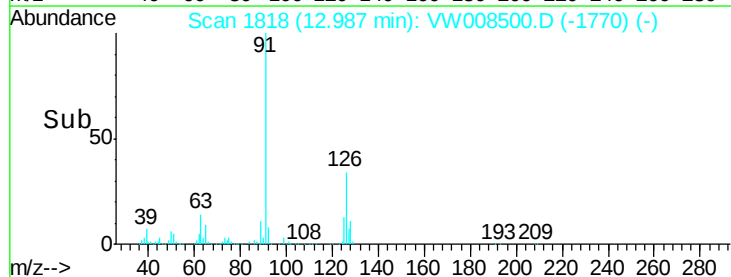
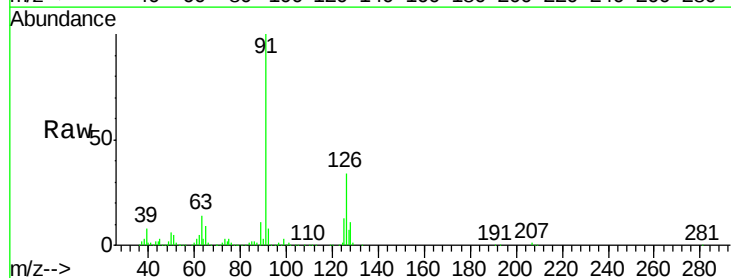
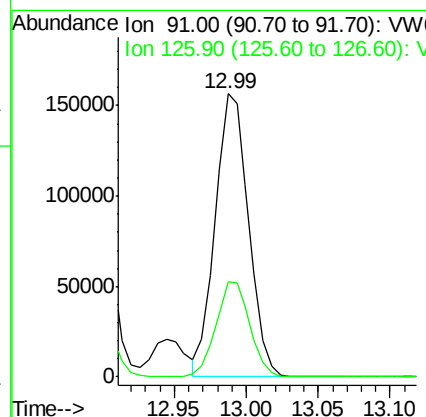
RT: 12.99 min Scan# 1818

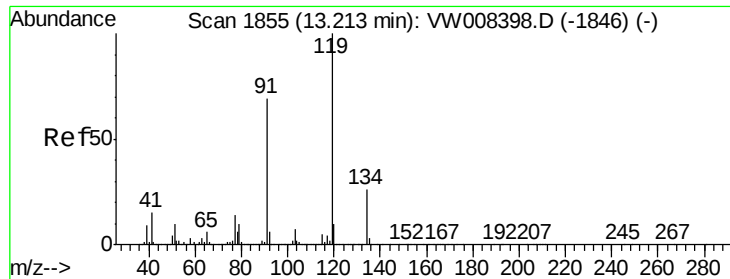
Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion:	91	Resp:	252218
Ion Ratio	Lower	Upper	
91	100		
126	34.4	16.4	49.2





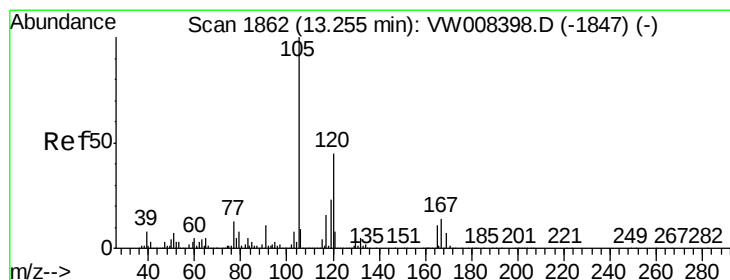
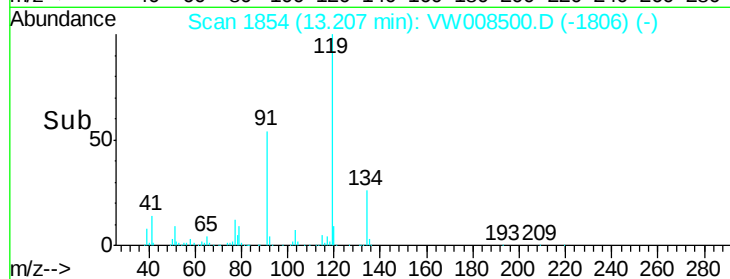
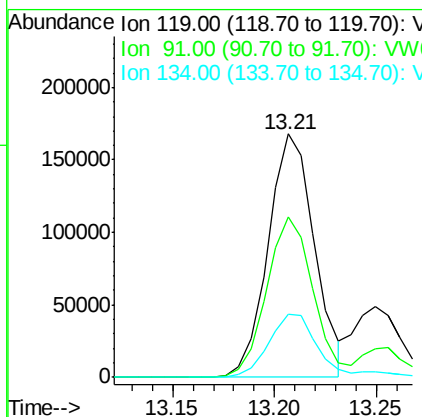
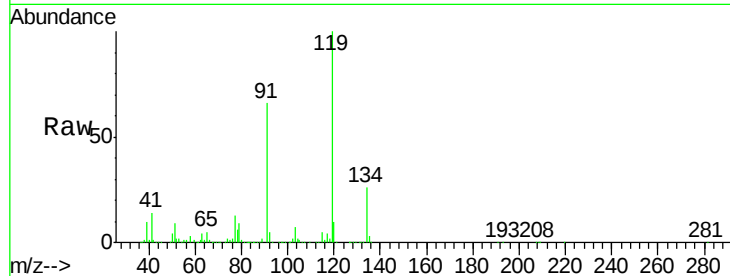
#83
tert-Butylbenzene
Concen: 17.816 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.8	101.4
134	28.5	13.5	40.4

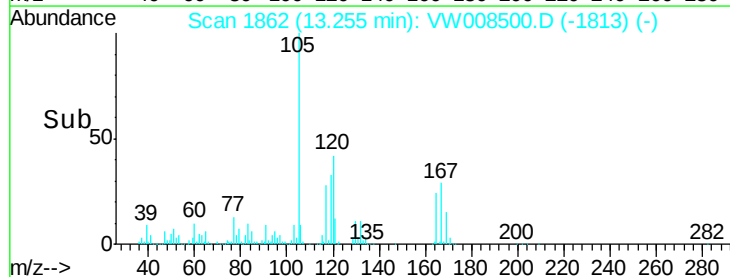
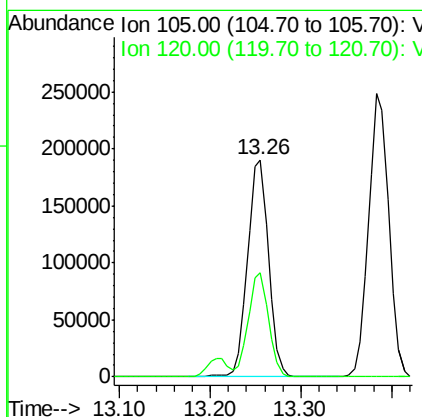
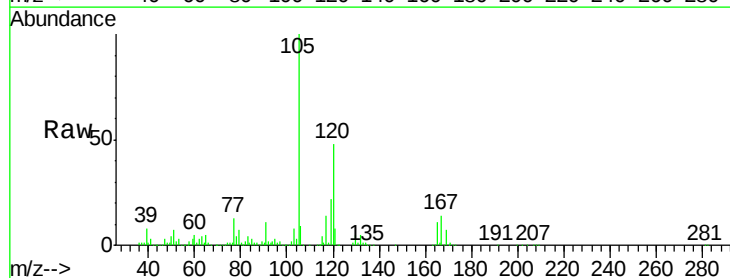
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#84
1,2,4-Trimethylbenzene
Concen: 17.892 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





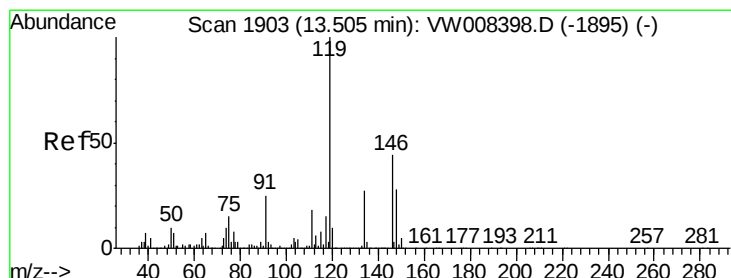
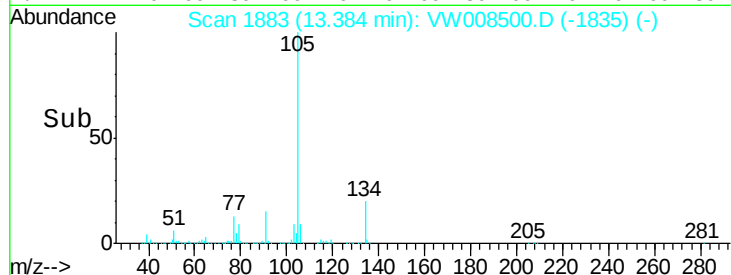
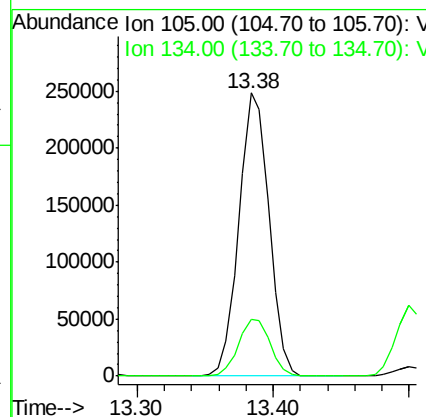
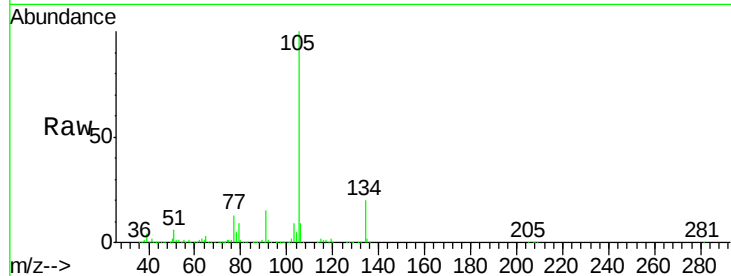
#85
 sec-Butylbenzene
 Concen: 17.957 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.2	30.6

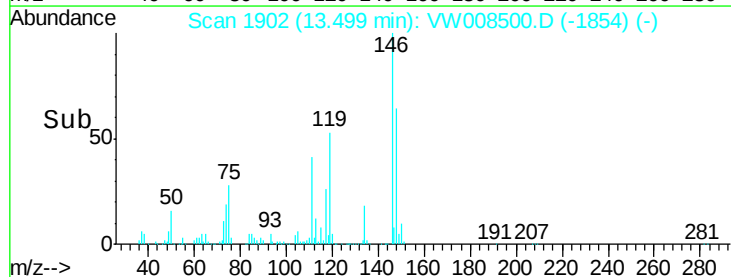
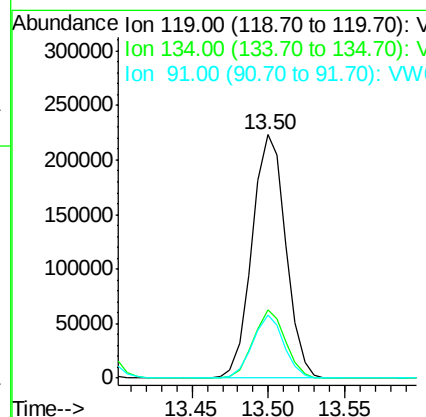
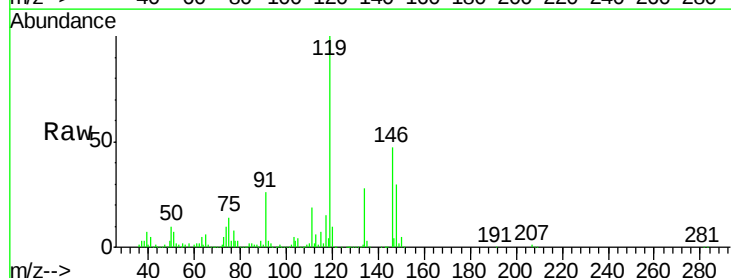
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#86
 p-Isopropyltoluene
 Concen: 18.342 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	24.0	12.6	37.6





#87

1,3-Dichlorobenzene

Concen: 18.711 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

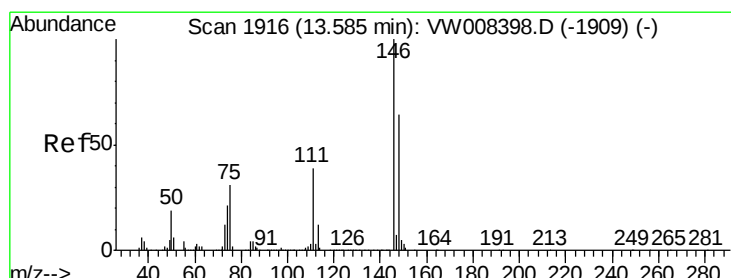
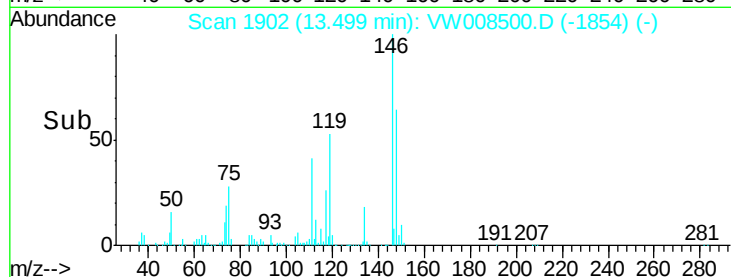
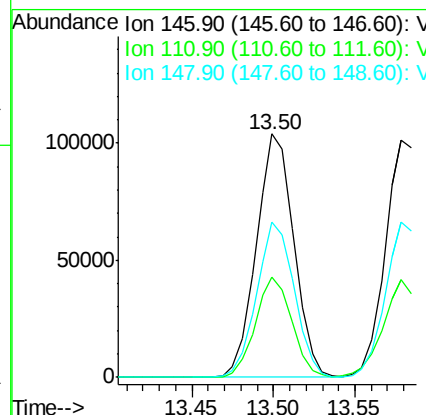
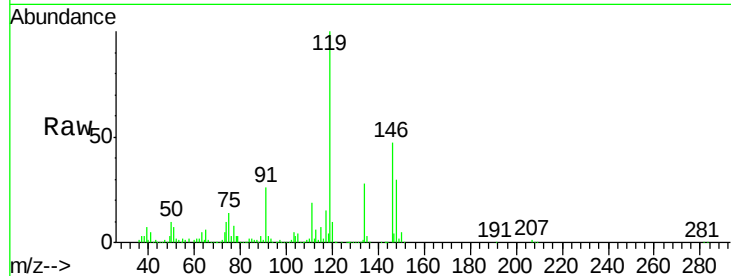
Instrument :
MSVOA_W

ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165884		
111	40.1	20.3	60.9	
148	64.1	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 18.767 ug/l

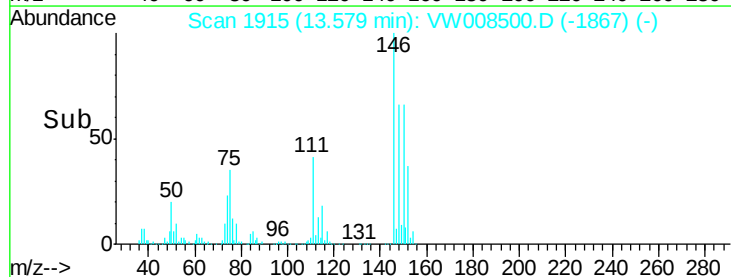
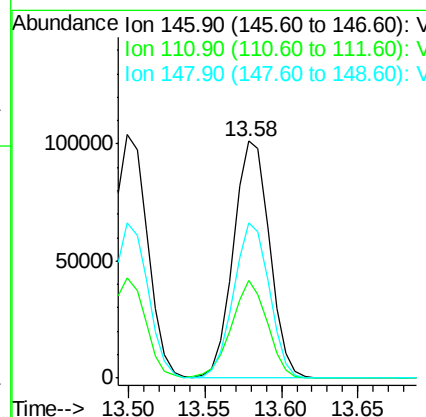
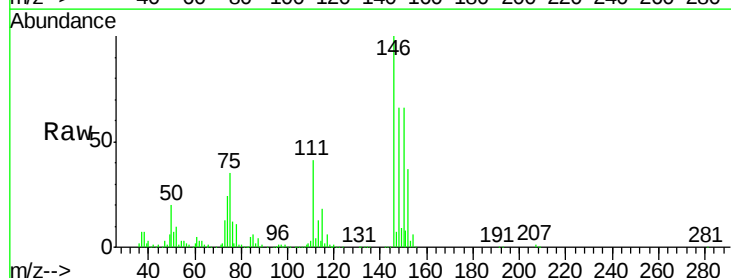
RT: 13.58 min Scan# 1915

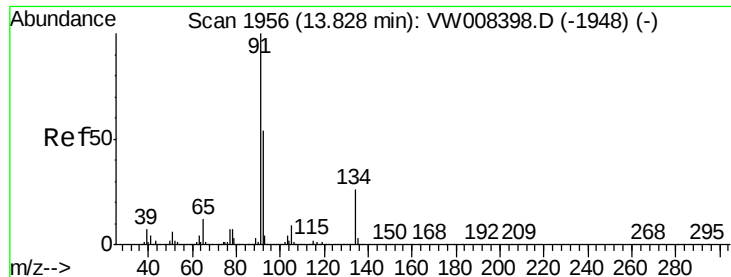
Delta R.T. -0.01 min

Lab File: VW008500.D

Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	165352		
111	41.1	20.0	60.0	
148	65.0	32.0	96.2	





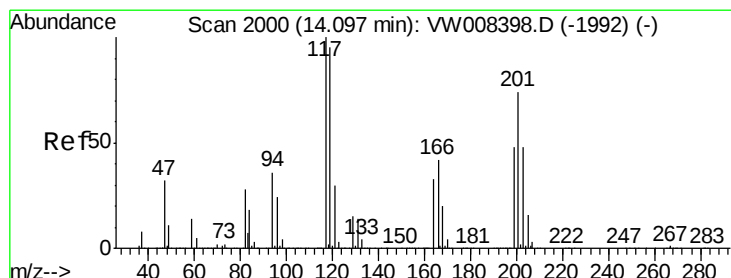
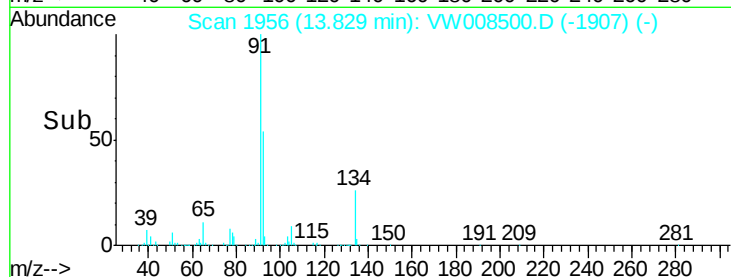
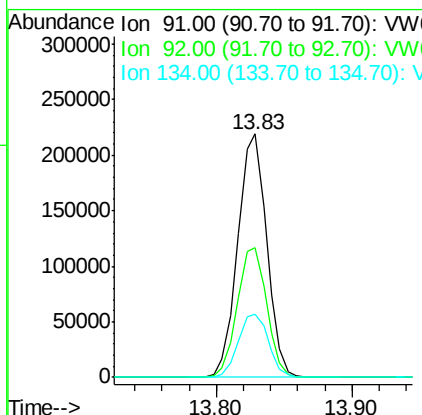
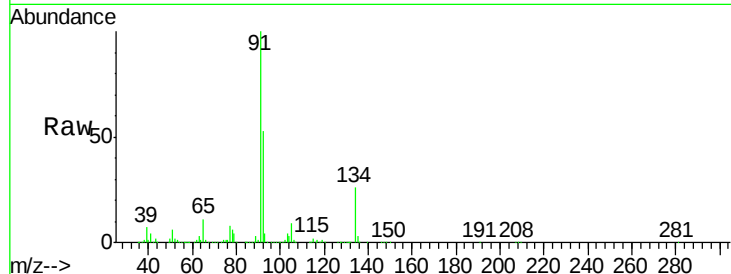
#89
n-Butylbenzene
Concen: 17.737 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.4	82.2
134	27.2	13.0	39.0

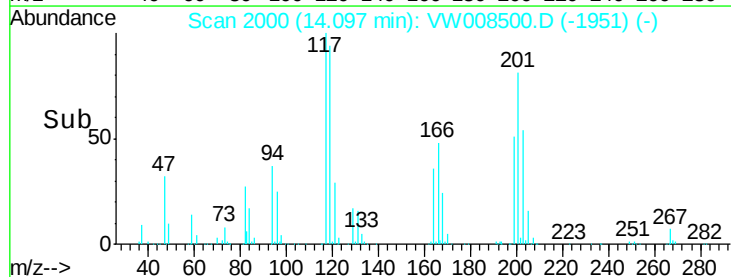
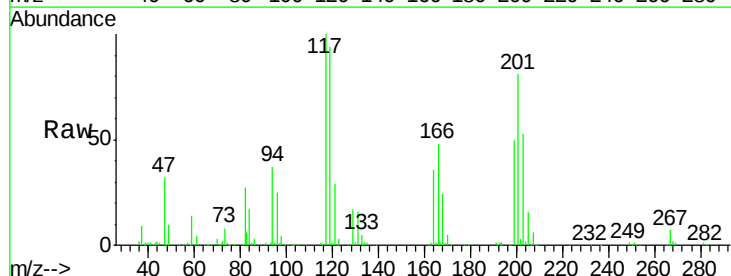
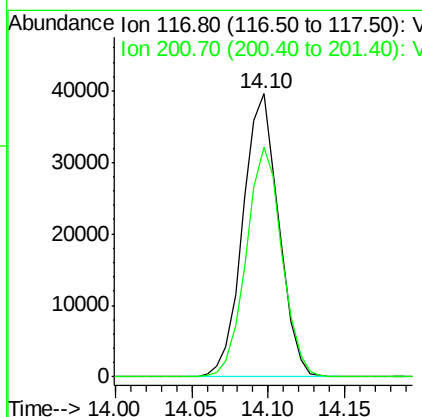
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#90
Hexachloroethane
Concen: 17.574 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	39.1	117.5





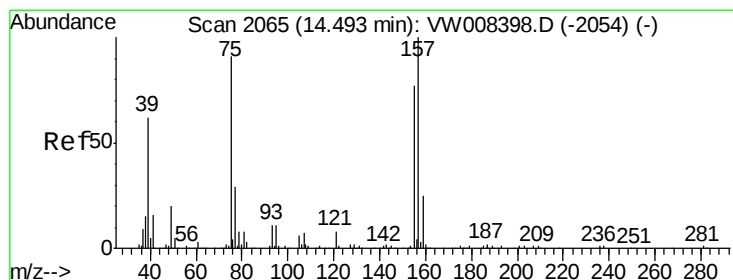
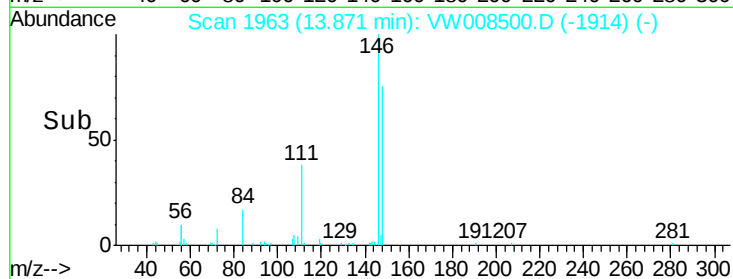
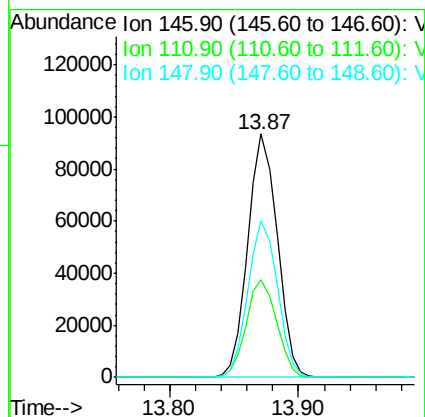
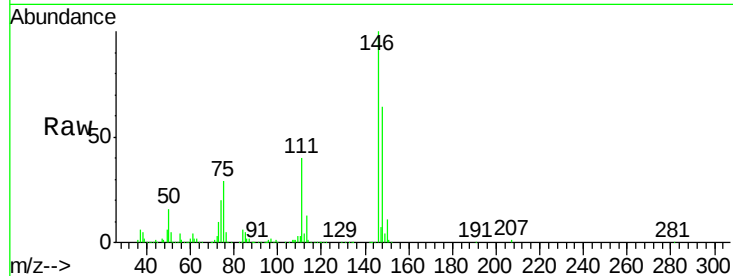
#91
 1,2-Dichlorobenzene
 Concen: 18.830 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	147715		
111	41.6	21.1	63.3	
148	64.6	31.9	95.5	

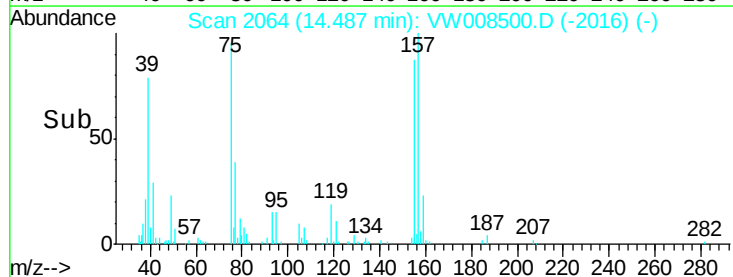
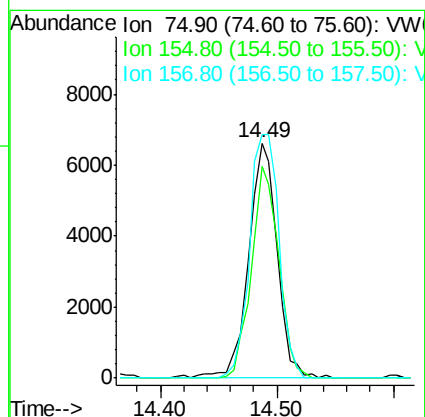
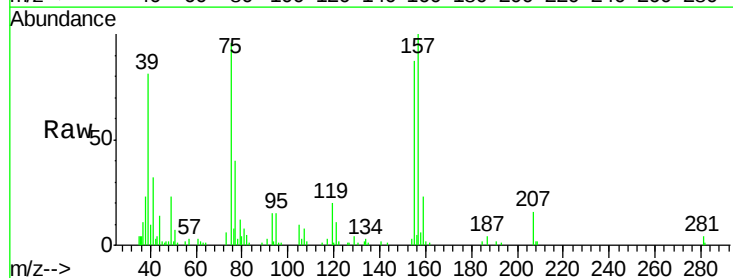
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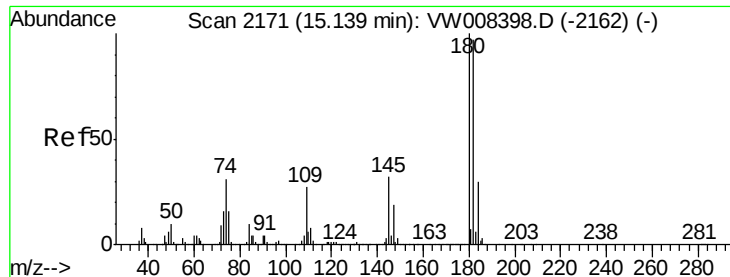
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.658 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11266		
155	86.8	42.7	128.1	
157	107.8	55.5	166.3	





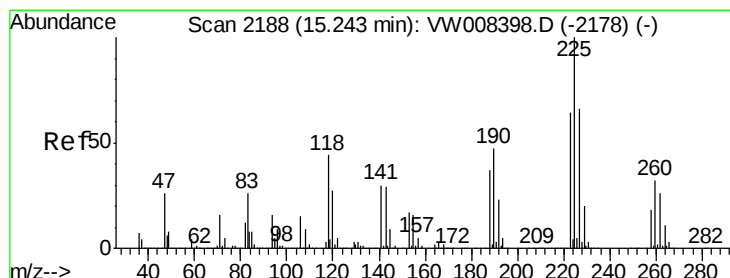
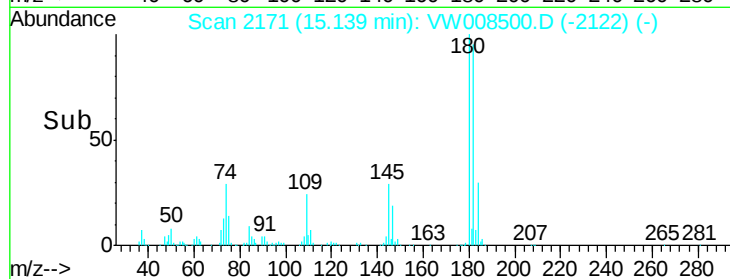
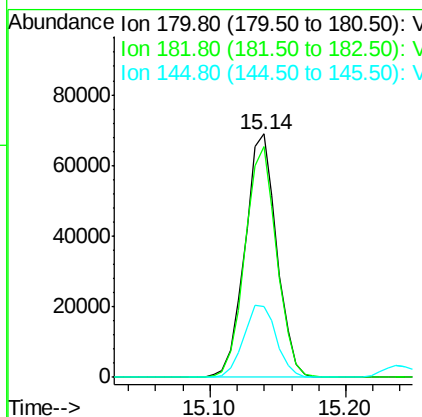
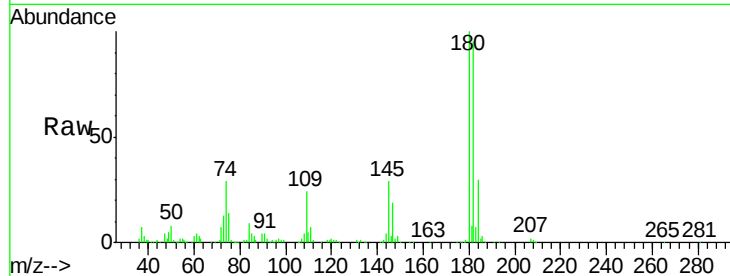
#93
 1,2,4-Trichlorobenzene
 Concen: 20.080 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112406		
182	94.6	47.9	143.7	
145	30.7	15.5	46.5	

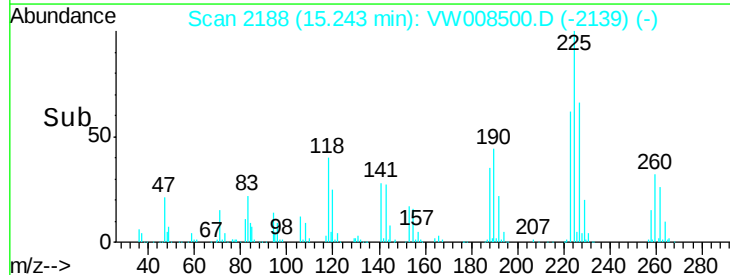
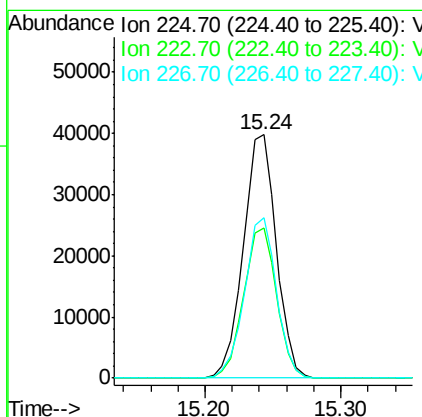
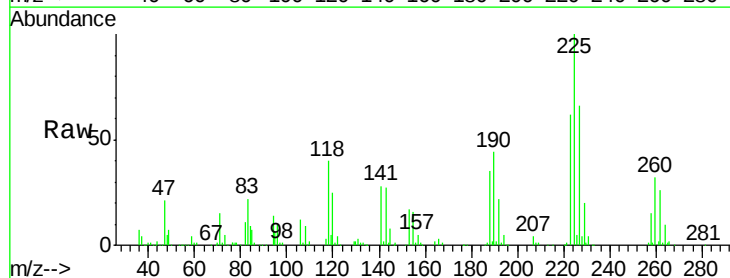
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#94
 Hexachlorobutadiene
 Concen: 20.043 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008500.D
 Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67617		
223	61.3	31.7	95.1	
227	64.0	32.1	96.3	





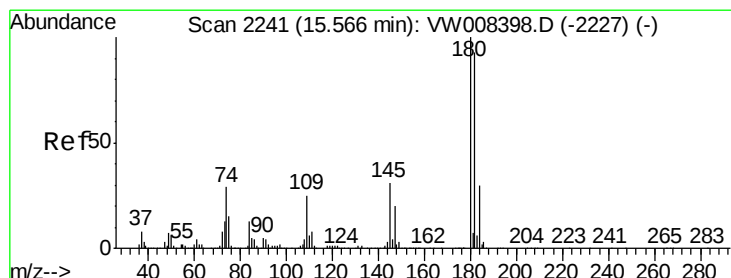
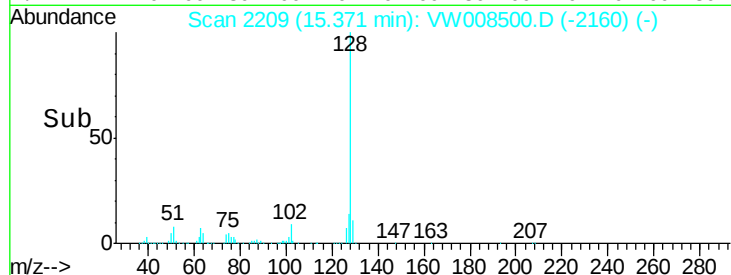
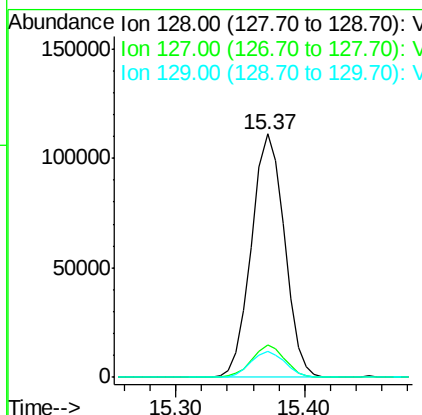
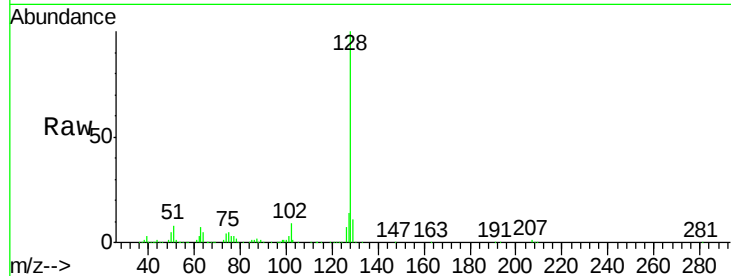
#95
Naphthalene
Concen: 19.998 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	196562		
127	13.5	10.6	15.8	
129	11.2	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:42:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.511 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008500.D
Acq: 04 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	97399		
182	95.7	47.0	141.2	
145	31.2	15.9	47.6	

