

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008499.D
 Acq On : 04 Feb 2019 11:21
 Operator : SY/VA
 Sample : VW0204SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:42:52 AM

Quant Time: Feb 05 03:22:12 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	403322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	614497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	536373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	276390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	183332	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	7.88	113	180065	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.32	98	696160	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.62	95	255772	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31797	16.007	ug/l	99
3) Chloromethane	2.21	50	50839	15.442	ug/l	95
4) Vinyl Chloride	2.36	62	67549	16.118	ug/l	96
5) Bromomethane	2.78	94	57437	21.248	ug/l	92
6) Chloroethane	2.92	64	50699	19.781	ug/l	100
7) Trichlorofluoromethane	3.25	101	51525	17.524	ug/l	93
8) Diethyl Ether	3.67	74	34509	17.157	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65458	17.944	ug/l	96
10) Methyl Iodide	4.26	142	101648	17.642	ug/l	100
11) Tert butyl alcohol	5.20	59	25721	80.628	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	63001	17.066	ug/l	97
13) Acrolein	3.89	56	23670	86.876	ug/l	98
14) Allyl chloride	4.66	41	109352	15.599	ug/l	97
15) Acrylonitrile	5.37	53	71305	82.099	ug/l	99
16) Acetone	4.12	43	72055	80.980	ug/l	97
17) Carbon Disulfide	4.37	76	191565	16.247	ug/l	100
18) Methyl Acetate	4.67	43	37432	15.773	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	104031	17.032	ug/l	96
20) Methylene Chloride	4.90	84	70294	17.140	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	71993	17.346	ug/l	96
22) Diisopropyl ether	6.31	45	208325	15.680	ug/l	96
23) Vinyl Acetate	6.25	43	626112	79.810	ug/l	97
24) 1,1-Dichloroethane	6.21	63	124147	16.508	ug/l	99
25) 2-Butanone	7.17	43	100854	81.604	ug/l	97
26) 2,2-Dichloropropane	7.16	77	85835	16.886	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	76363	16.882	ug/l	96
28) Bromochloromethane	7.51	49	59601	17.255	ug/l	97
29) Tetrahydrofuran	7.53	42	62445	79.732	ug/l	95
30) Chloroform	7.67	83	124549	16.838	ug/l	97
31) Cyclohexane	7.95	56	124578	16.020	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	109059	17.070	ug/l	99
36) 1,1-Dichloropropene	8.07	75	102802	17.710	ug/l	99
37) Ethyl Acetate	7.25	43	44274	17.240	ug/l	99
38) Carbon Tetrachloride	8.06	117	105769	18.108	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	131527	17.249	ug/l	95
40) Benzene	8.32	78	278806	17.310	ug/l	98
41) Methacrylonitrile	7.48	41	25900	17.032	ug/l	97
42) 1,2-Dichloroethane	8.40	62	80935	17.339	ug/l	100
43) Isopropyl Acetate	8.42	43	89834	16.837	ug/l	97
44) Trichloroethene	9.09	130	80416	18.360	ug/l	97
45) 1,2-Dichloropropane	9.37	63	68795	17.130	ug/l	95
46) Dibromomethane	9.46	93	36152	17.502	ug/l	96
47) Bromodichloromethane	9.64	83	94513	17.299	ug/l	100
48) Methyl methacrylate	9.43	41	41063	15.740	ug/l	97
49) 1,4-Dioxane	9.46	88	11677	334.436	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	218320	82.828	ug/l	98
52) Toluene	10.38	92	182562	17.170	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	97265	16.730	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	112220	17.009	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	51529	17.985	ug/l	96
56) Ethyl methacrylate	10.65	69	63901	15.917	ug/l	100
57) 1,3-Dichloropropane	10.93	76	88679	17.276	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	188665	96.720	ug/l	97
59) 2-Hexanone	10.97	43	156065	83.870	ug/l	100
60) Dibromochloromethane	11.13	129	64295	17.462	ug/l	100
61) 1,2-Dibromoethane	11.23	107	50820	17.889	ug/l	98
64) Tetrachloroethene	10.86	164	68532	18.871	ug/l	97
65) Chlorobenzene	11.66	112	195485	17.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	70616	18.026	ug/l	97
67) Ethyl Benzene	11.73	91	355210	17.649	ug/l	99
68) m/p-Xylenes	11.84	106	275156	35.236	ug/l	97
69) o-Xylene	12.16	106	131002	17.656	ug/l	96
70) Styrene	12.18	104	206752	16.870	ug/l	98
71) Bromoform	12.35	173	39307	17.833	ug/l #	100
73) Isopropylbenzene	12.46	105	359372	17.441	ug/l	98
74) N-amyl acetate	12.27	43	86135	16.226	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	57074	17.495	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	40607m	16.898	ug/l	
77) Bromobenzene	12.75	156	83699	18.600	ug/l	92
78) n-propylbenzene	12.80	91	425862	17.208	ug/l	98
79) 2-Chlorotoluene	12.90	91	237691	17.020	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	298287	17.319	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	19972	16.415	ug/l	98
82) 4-Chlorotoluene	12.99	91	245297	16.498	ug/l	96
83) tert-Butylbenzene	13.21	119	263850	17.216	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	302823	17.299	ug/l	99
85) sec-Butylbenzene	13.38	105	381252	17.418	ug/l	99
86) p-Isopropyltoluene	13.50	119	339268	17.696	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	164228	18.071	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	164222	18.182	ug/l	100
89) n-Butylbenzene	13.83	91	325112	17.270	ug/l	99
90) Hexachloroethane	14.10	117	64101	17.096	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	144345	17.950	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10752	17.371	ug/l	97

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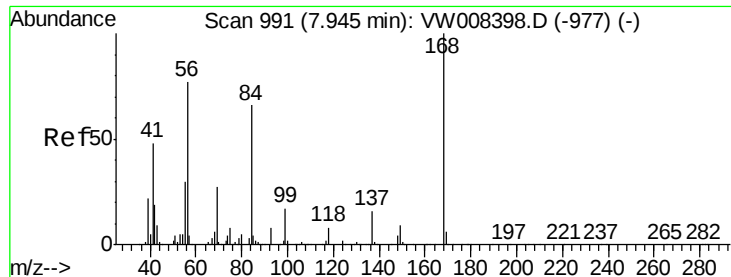
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	109755	19.126	ug/l	99
94) Hexachlorobutadiene	15.24	225	64546	18.664	ug/l	100
95) Naphthalene	15.37	128	187669	18.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	92771	19.058	ug/l	100

(#) = 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: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion:168 Resp: 403322

Ion Ratio Lower Upper

168 100

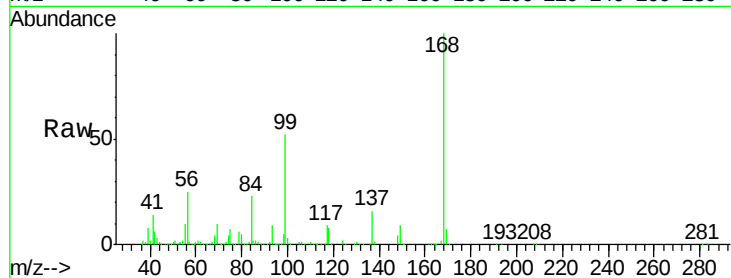
99 52.3 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

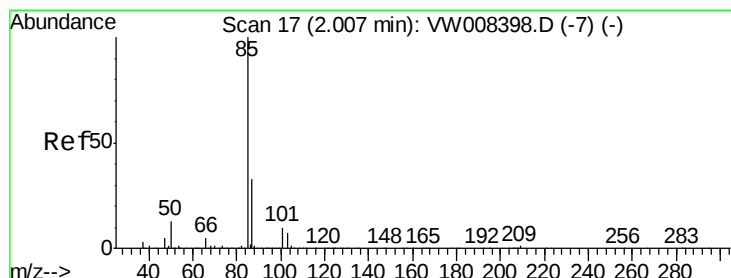
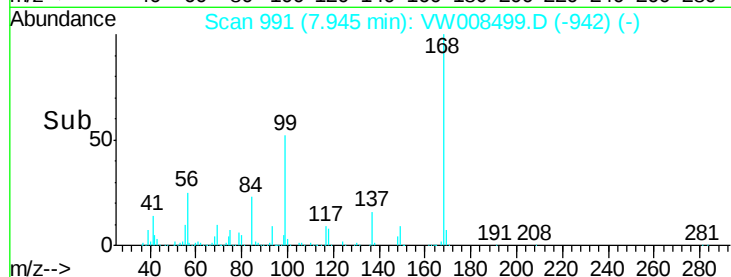
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.007 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008499.D

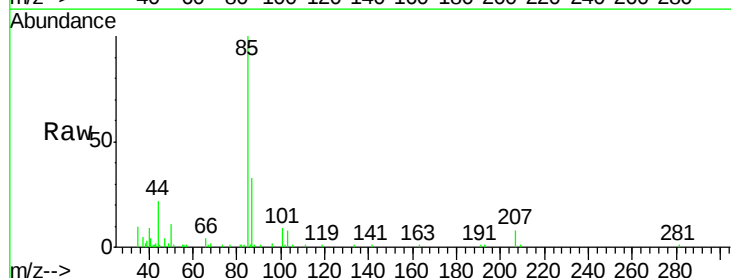
Acq: 04 Feb 2019 11:21

Tgt Ion: 85 Resp: 31797

Ion Ratio Lower Upper

85 100

87 33.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

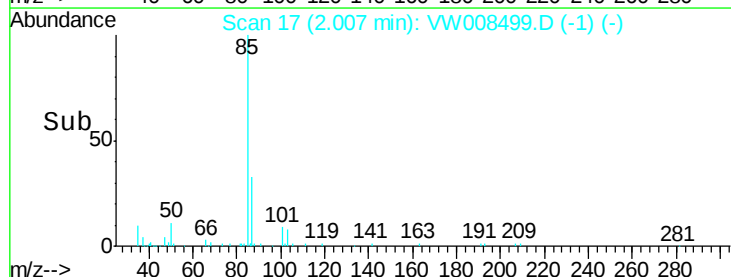
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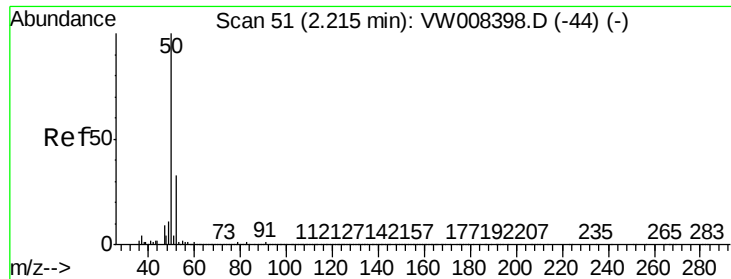
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 15.442 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion: 50 Resp: 50839

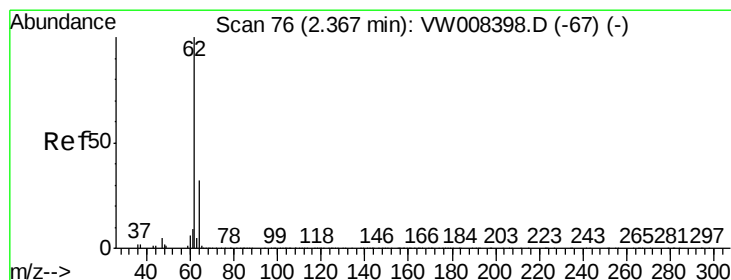
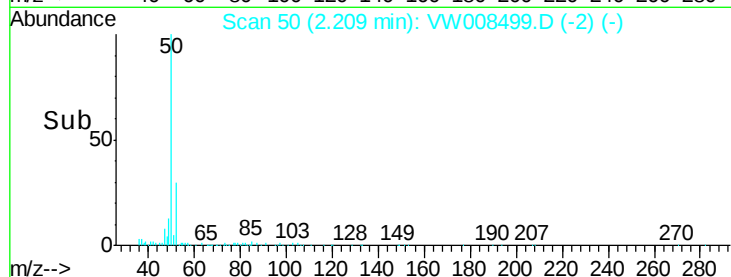
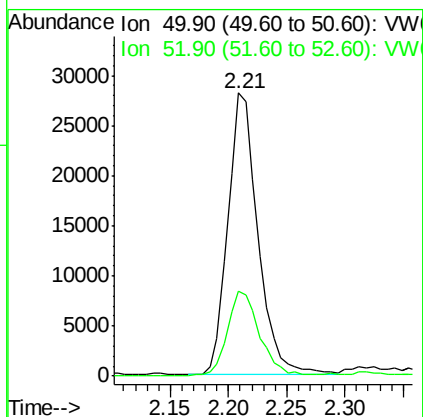
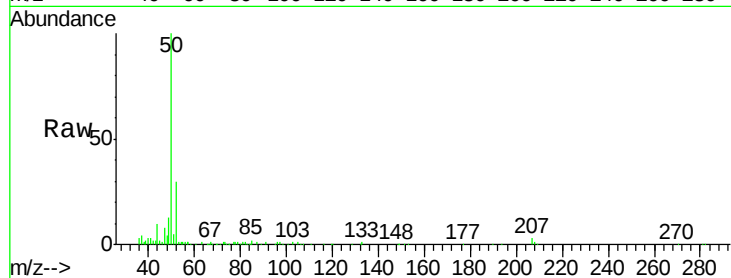
Ion Ratio Lower Upper

50 100

52 30.0 26.3 39.5

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#4

Vinyl Chloride

Concen: 16.118 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008499.D

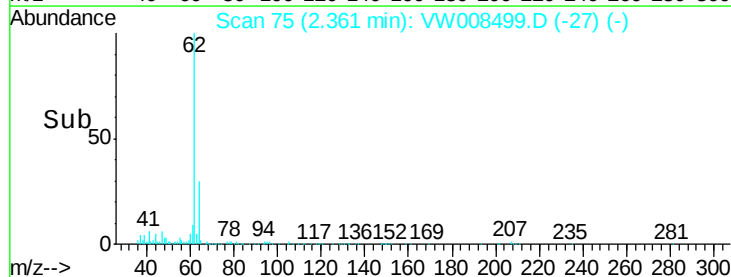
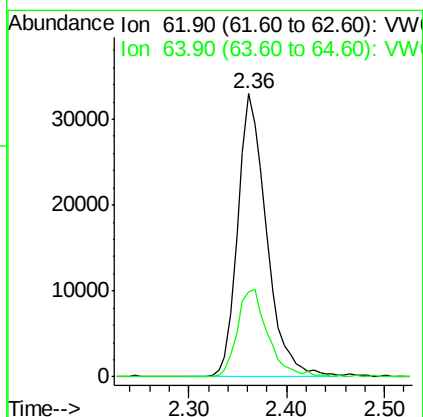
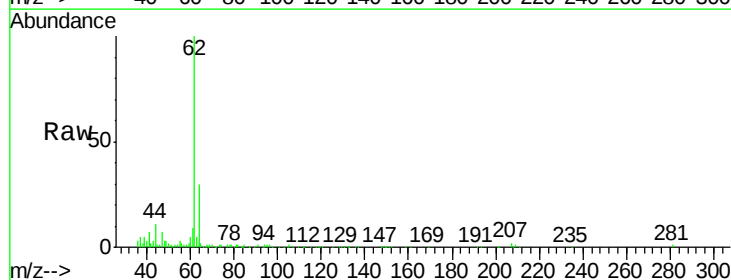
Acq: 04 Feb 2019 11:21

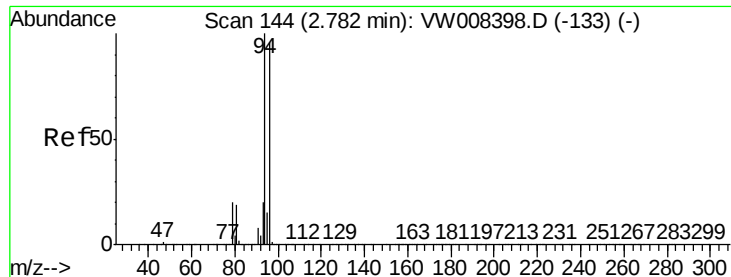
Tgt Ion: 62 Resp: 67549

Ion Ratio Lower Upper

62 100

64 29.8 25.5 38.3





#5

Bromomethane

Concen: 21.248 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion: 94 Resp: 57437

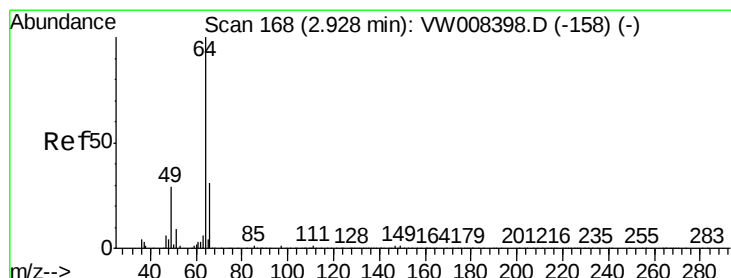
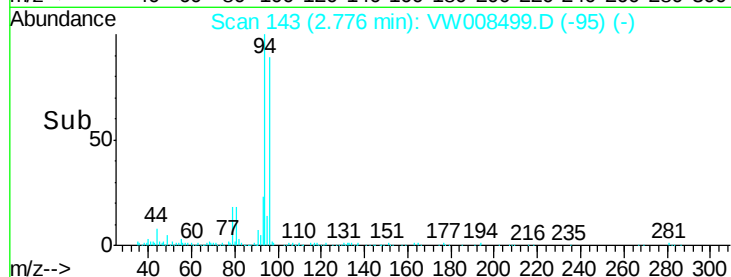
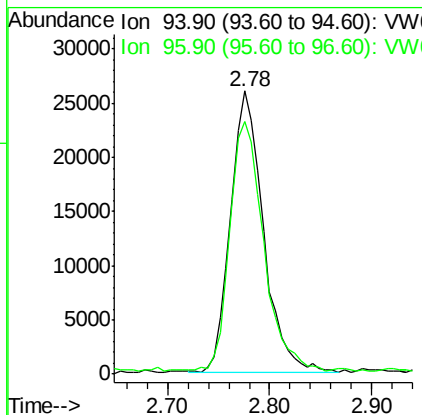
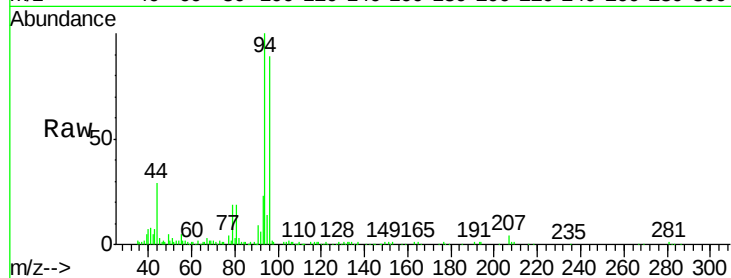
Ion Ratio Lower Upper

94 100

96 88.3 77.2 115.8

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2/5/2019 10:42:52 AM



#6

Chloroethane

Concen: 19.781 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008499.D

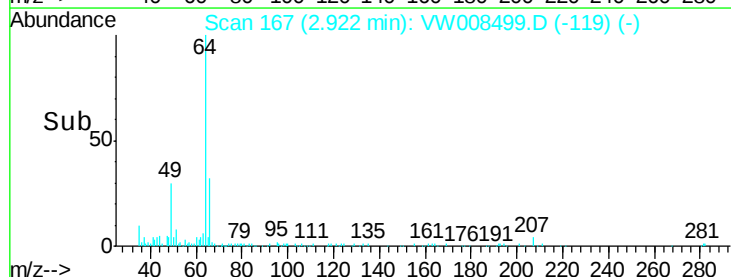
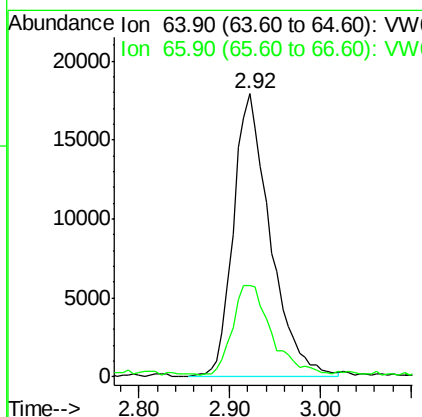
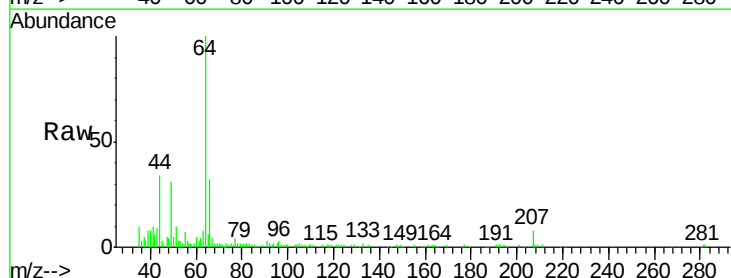
Acq: 04 Feb 2019 11:21

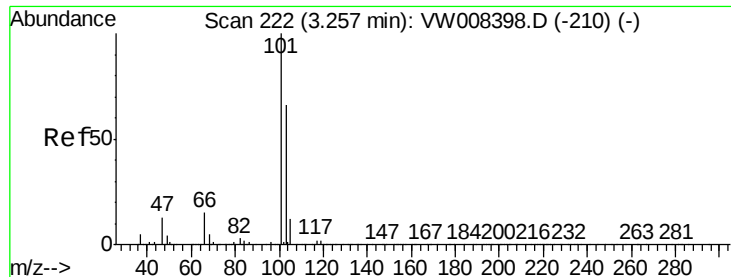
Tgt Ion: 64 Resp: 50699

Ion Ratio Lower Upper

64 100

66 31.2 24.9 37.3





#7

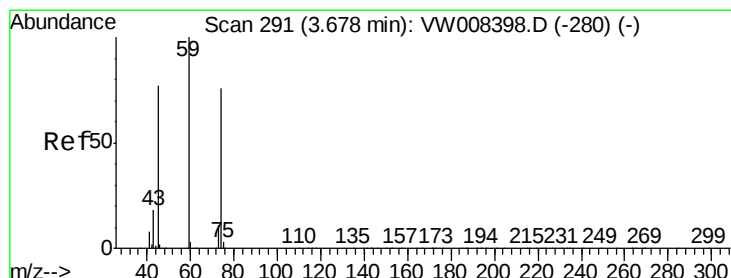
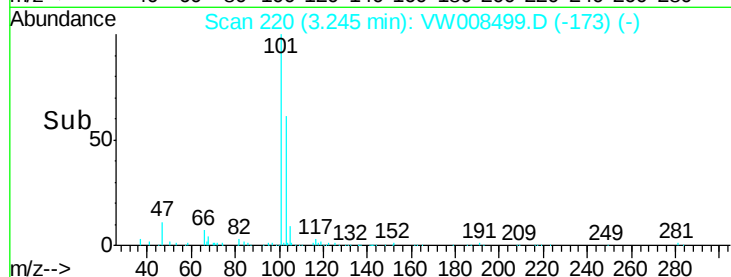
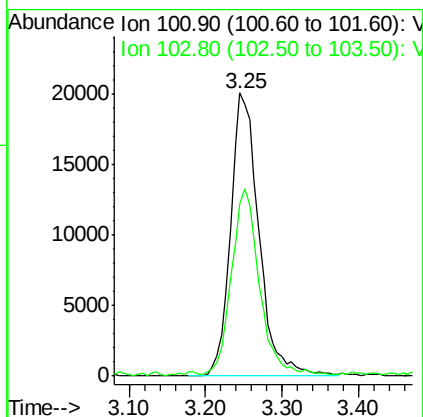
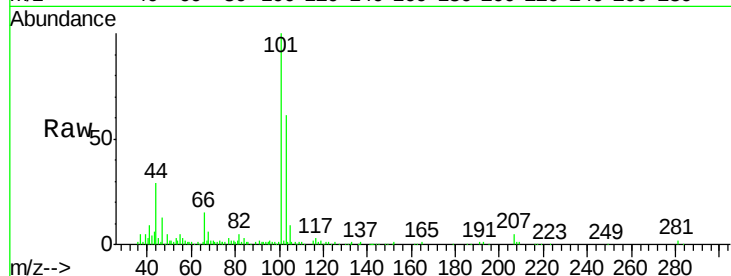
Trichlorofluoromethane
Concen: 17.524 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008499.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	52.5	78.7

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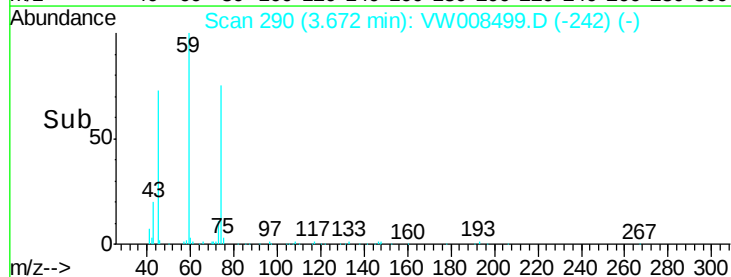
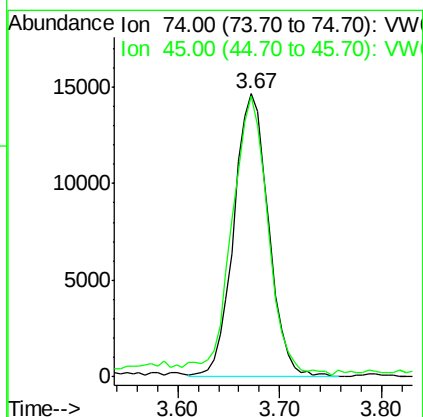
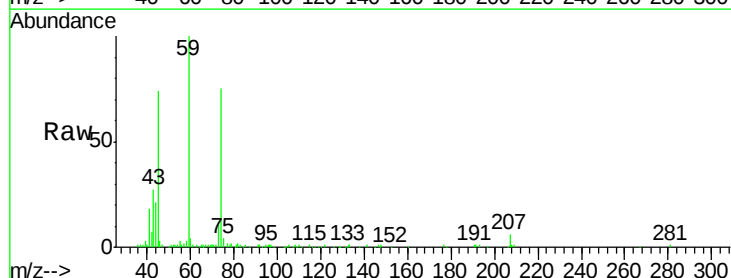
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2/5/2019 10:42:52 AM

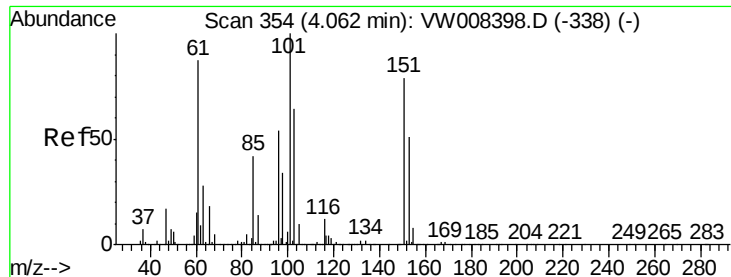


#8

Diethyl Ether
Concen: 17.157 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.944 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

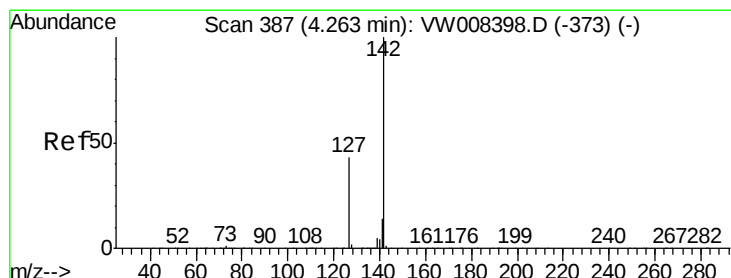
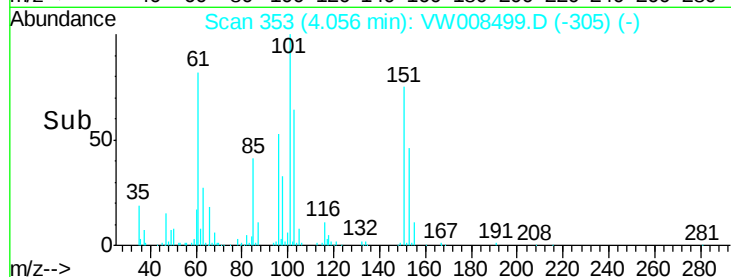
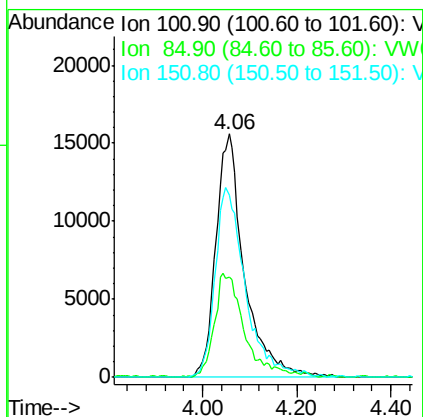
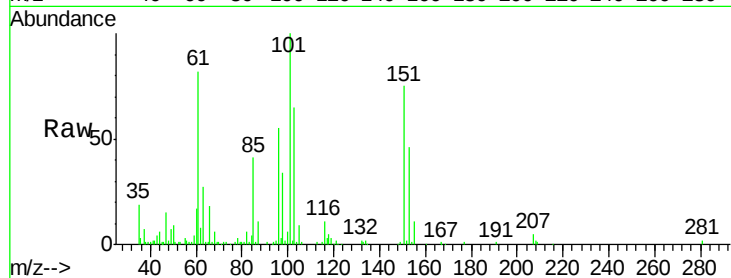
ClientSampleId :

VW0204SBS01

Tot Ion:	101	Resp:	65458
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.0	52.4
151	82.8	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.642 ug/l

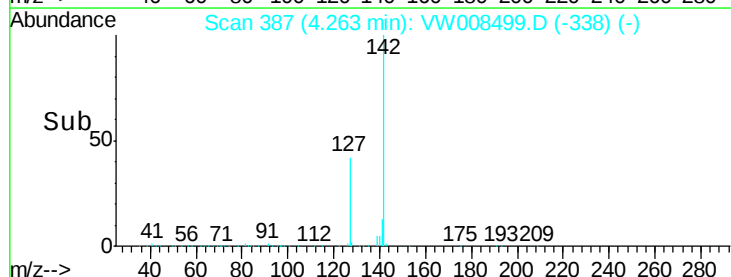
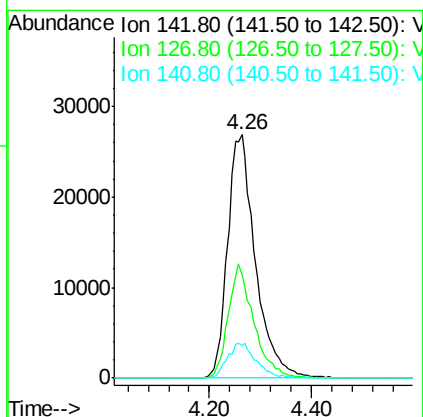
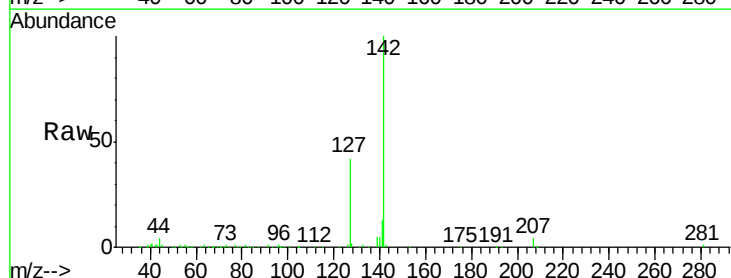
RT: 4.26 min Scan# 387

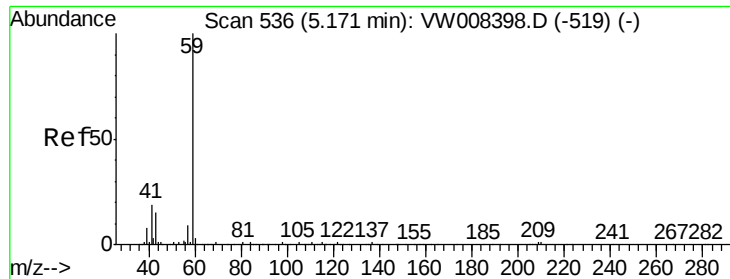
Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion:	142	Resp:	101648
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.6	52.0
141	15.0	11.4	17.2





#11

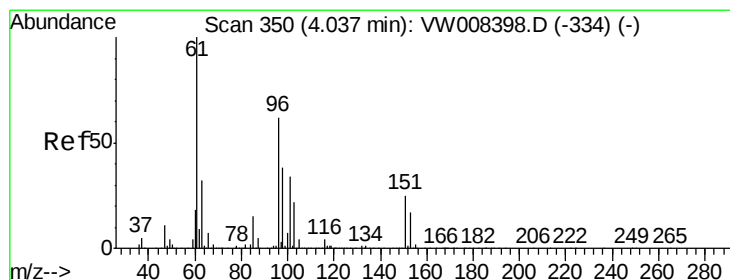
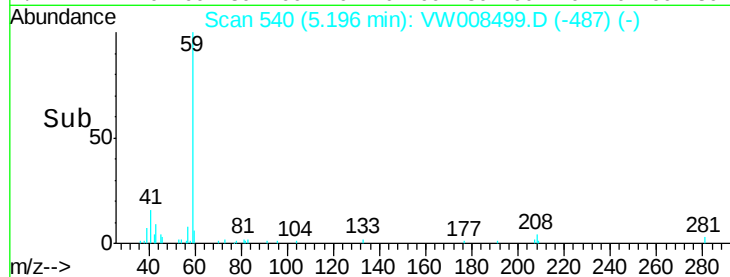
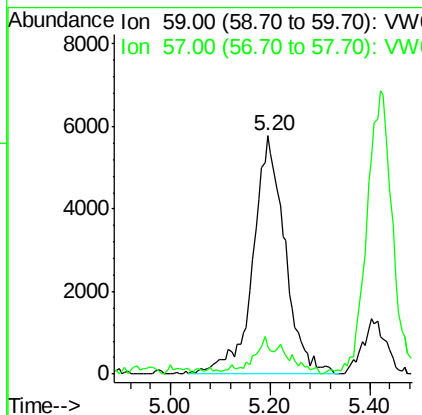
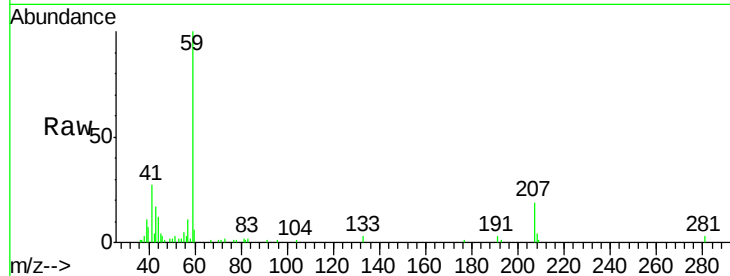
Tert butyl alcohol
Concen: 80.628 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25721		
57	5.9		9.3	13.9#

Manual Integrations
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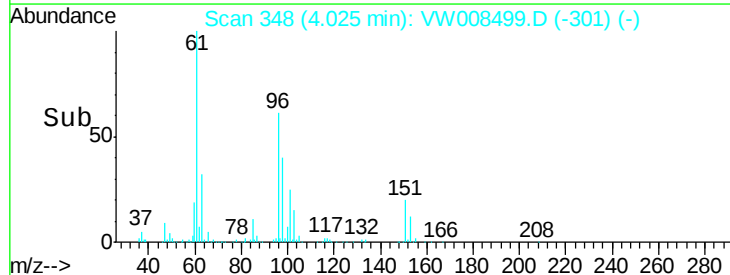
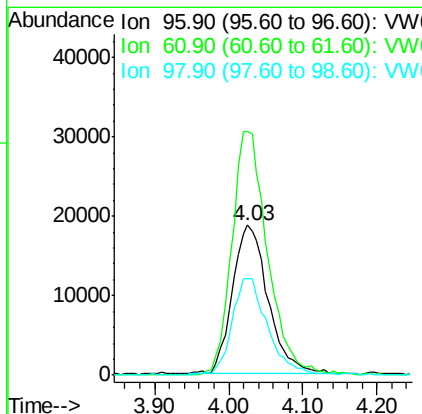
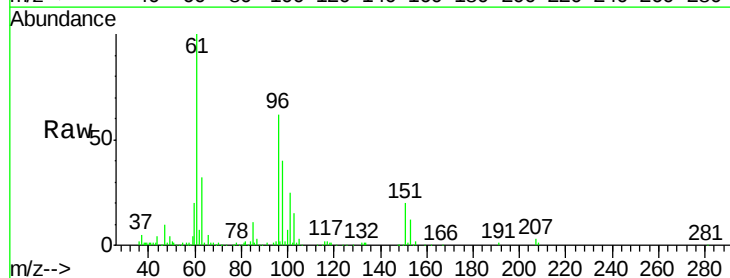
MMDadoda
2/5/2019 10:42:52 AM

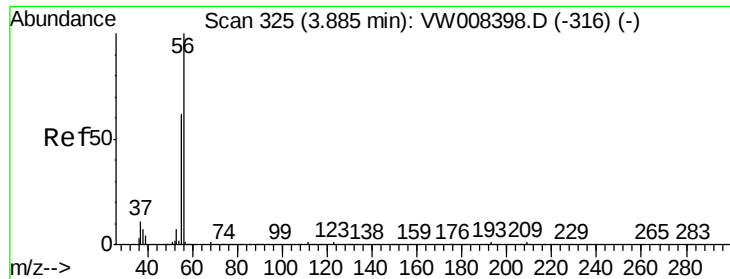


#12

1,1-Dichloroethene
Concen: 17.066 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	63001		
61	163.9		129.5	194.3
98	64.9		48.6	73.0





#13

Acrolein

Concen: 86.876 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VW0204SBS01

Tot Ion: 56 Resp: 23670

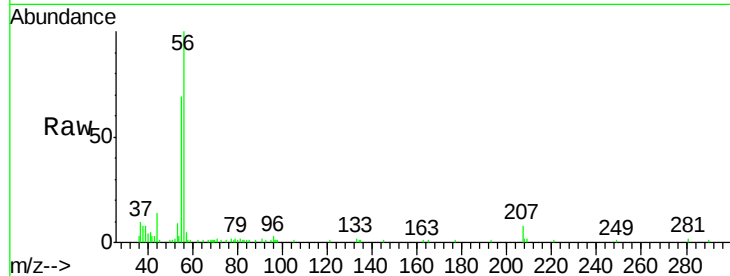
Ion Ratio Lower Upper

56 100

55 72.3 56.7 85.1

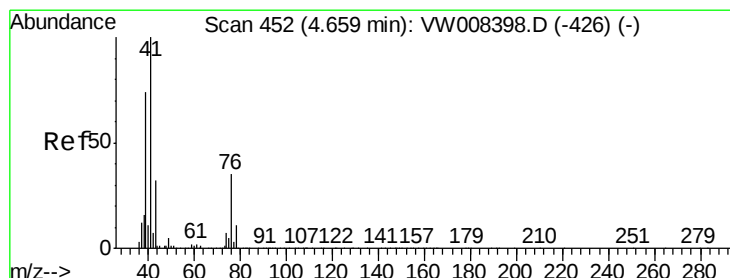
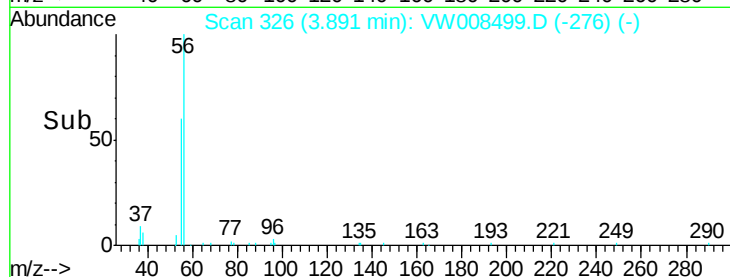
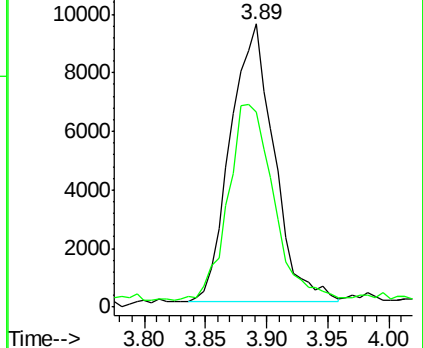
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2/5/2019 10:42:52 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 15.599 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

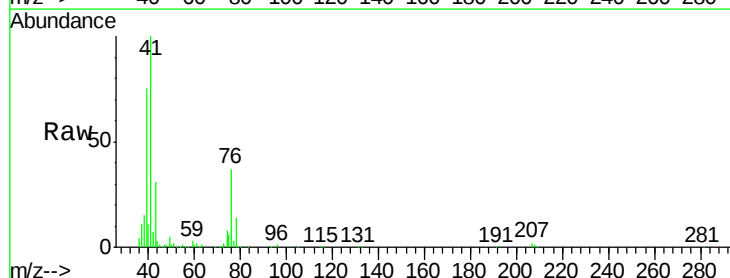
Tgt Ion: 41 Resp: 109352

Ion Ratio Lower Upper

41 100

39 74.0 57.7 86.5

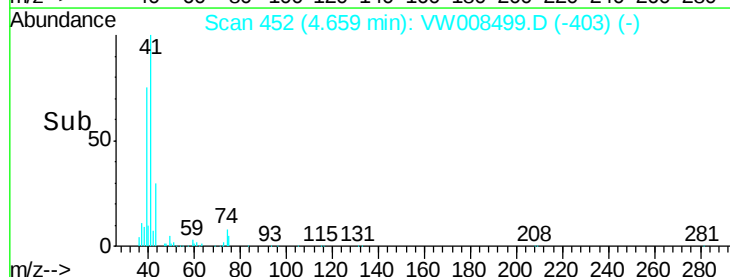
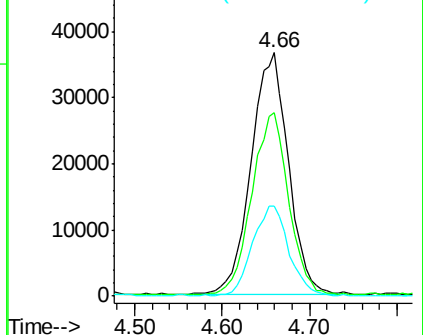
76 36.2 26.9 40.3



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 82.099 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

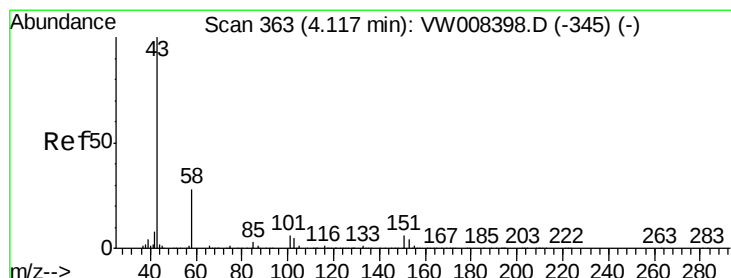
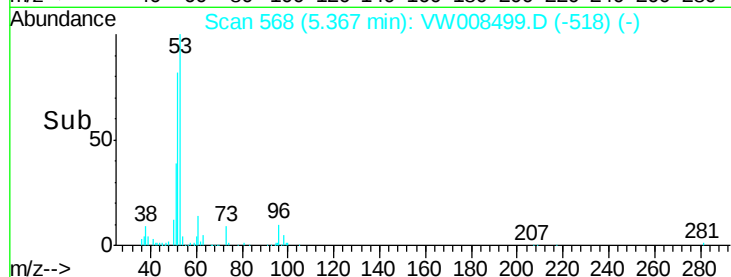
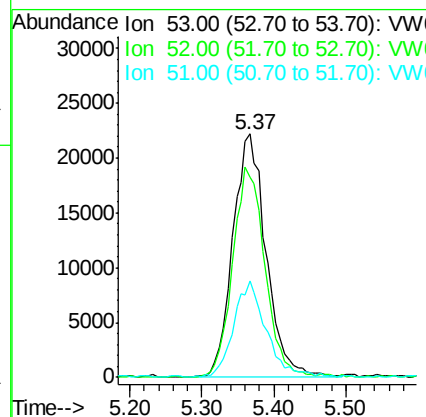
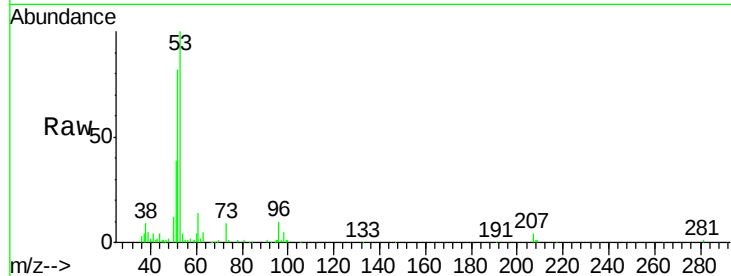
ClientSampleId :

VW0204SBS01

Tot Ion:	53	Resp:	71305
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.0	100.4
51	39.0	29.8	44.8

Manual Integrations
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2/5/2019 10:42:52 AM



#16

Acetone

Concen: 80.980 ug/l

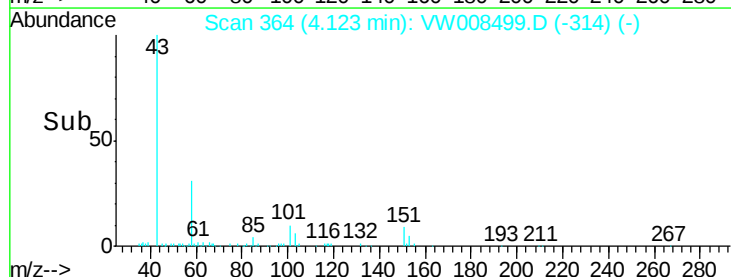
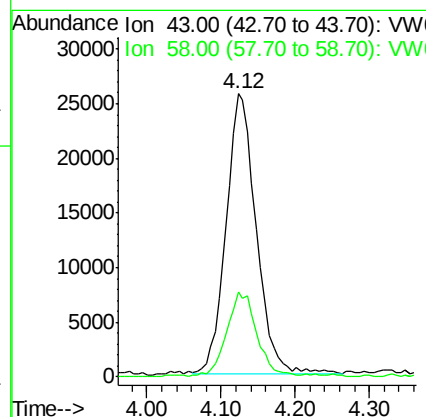
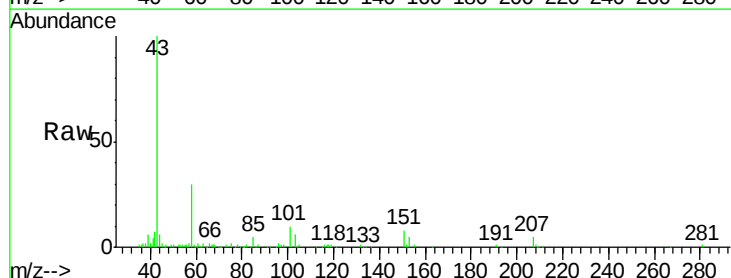
RT: 4.12 min Scan# 364

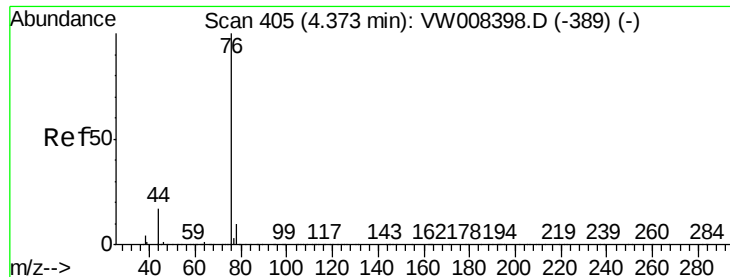
Delta R.T. 0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion:	43	Resp:	72055
Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.6	34.0





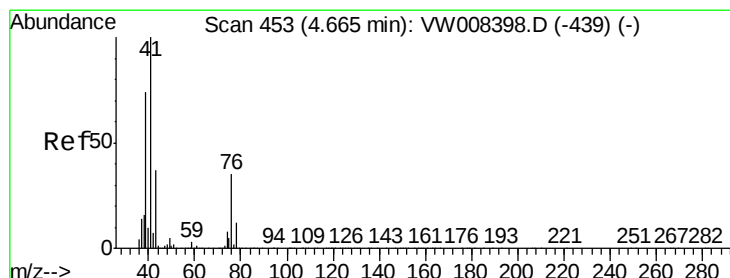
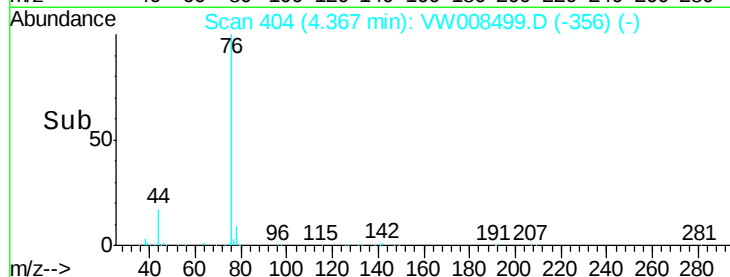
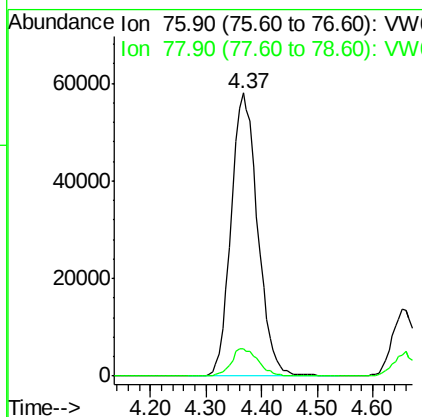
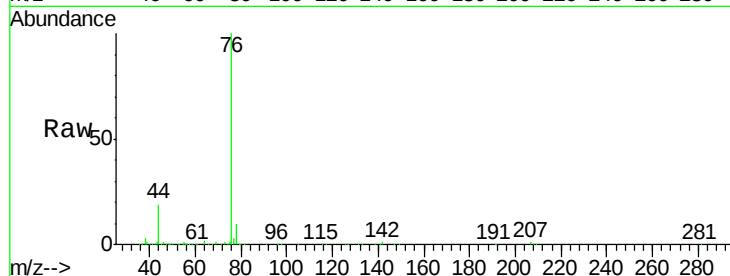
#17
Carbon Disulfide
Concen: 16.247 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.7	11.5

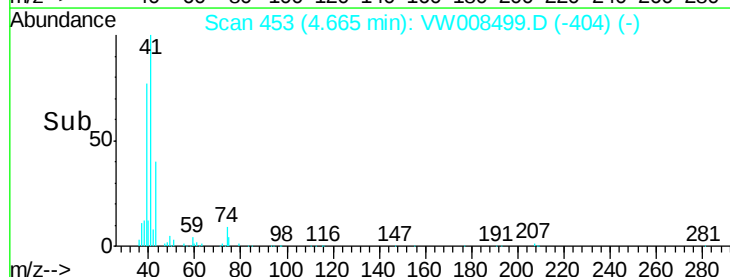
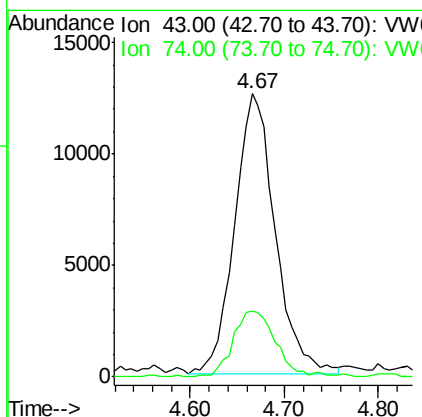
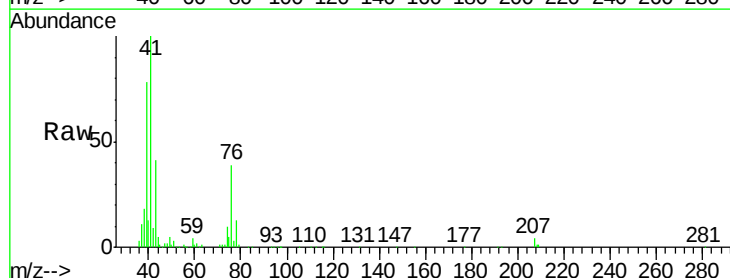
Manual Integrations
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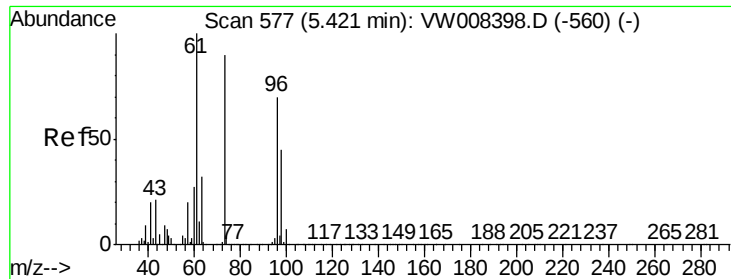
MMDadoda
2/5/2019 10:42:52 AM



#18
Methyl Acetate
Concen: 15.773 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	17.5	26.3





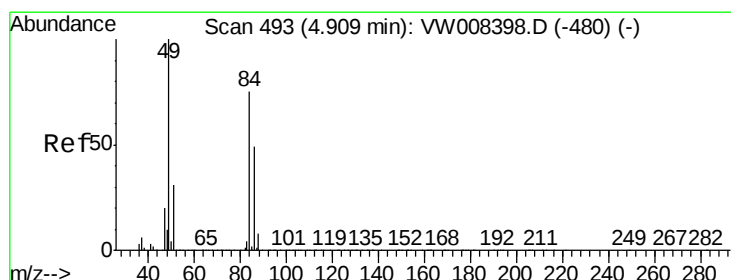
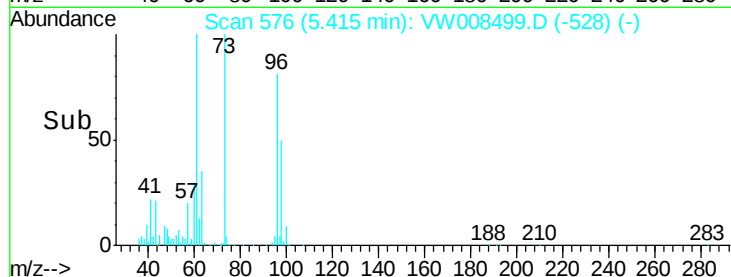
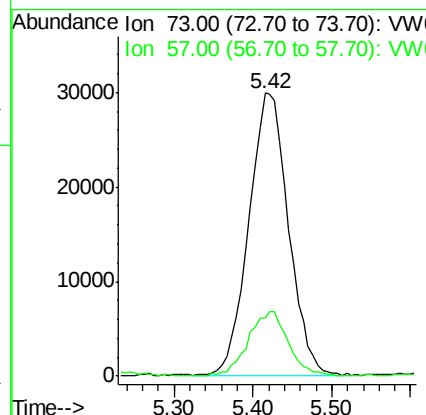
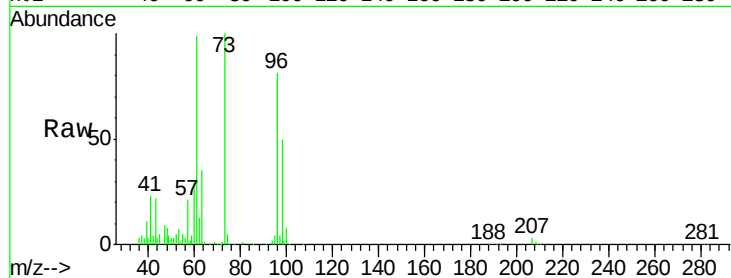
#19
Methvl tert-butvl Ether
Concen: 17.032 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	18.0	27.0

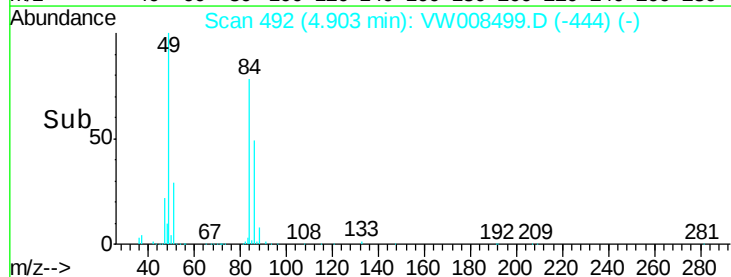
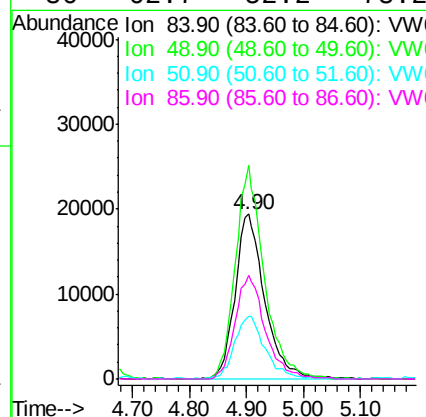
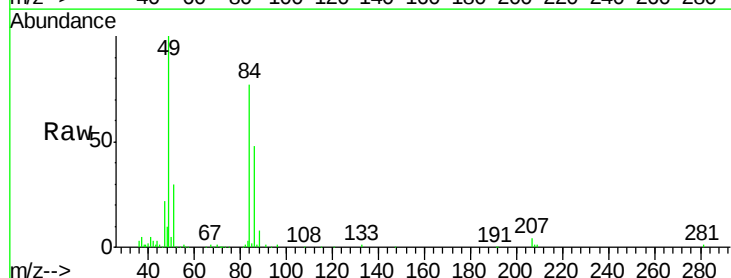
Manual Integrations
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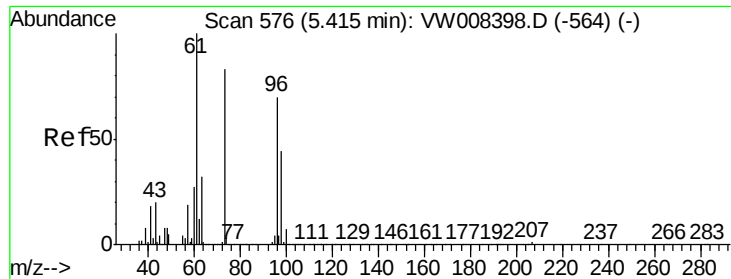
MMDadoda
2/5/2019 10:42:52 AM



#20
Methylene Chloride
Concen: 17.140 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.8	106.8	160.2
51	38.3	32.9	49.3
86	62.7	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 17.346 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

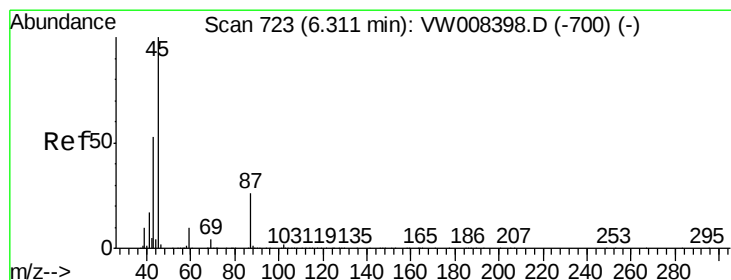
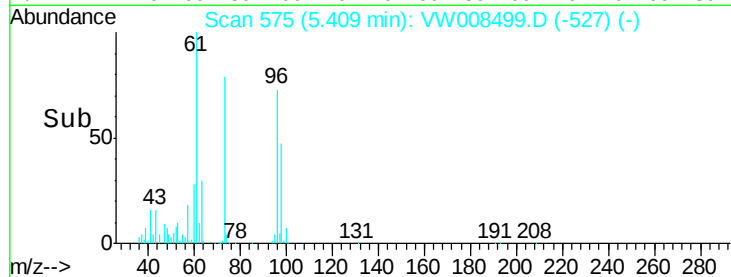
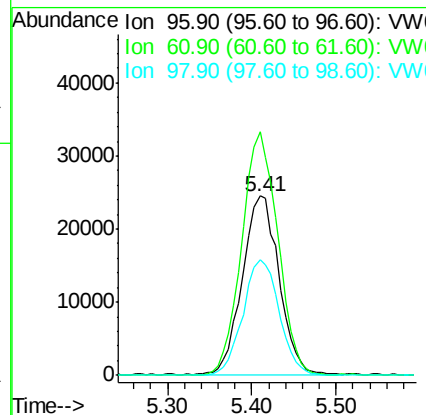
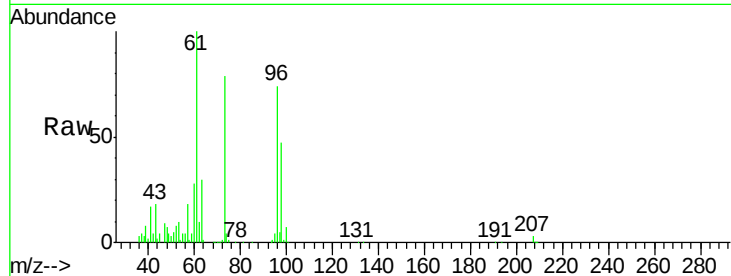
ClientSampleId :

VW0204SBS01

Tot Ion:	96	Resp:	71993
Ion	Ratio	Lower	Upper
96	100		
61	136.0	114.4	171.6
98	64.5	50.6	75.8

Manual Integrations
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MMDadoda
2/5/2019 10:42:52 AM



#22

Diisopropyl ether

Concen: 15.680 ug/l

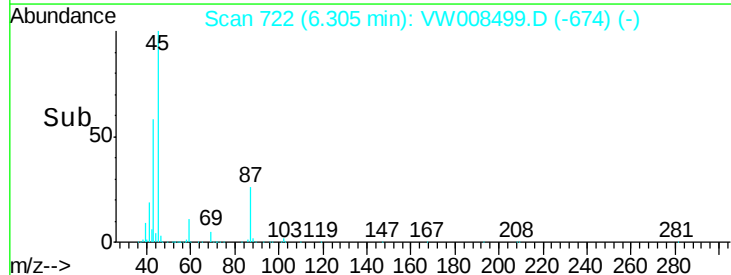
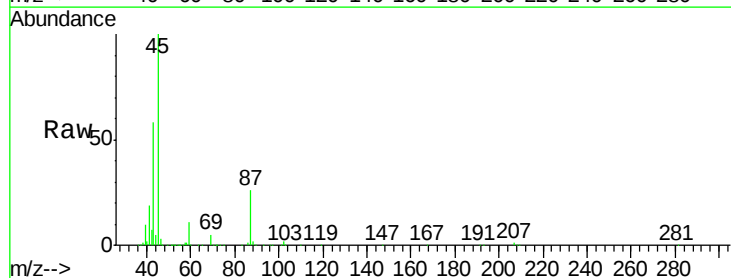
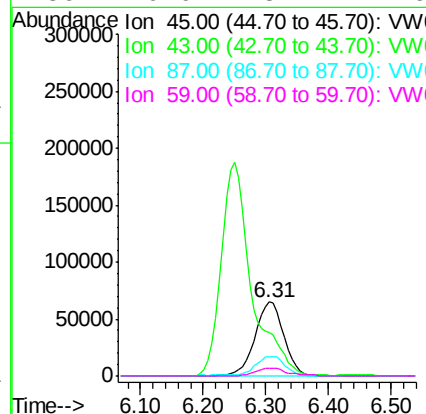
RT: 6.31 min Scan# 722

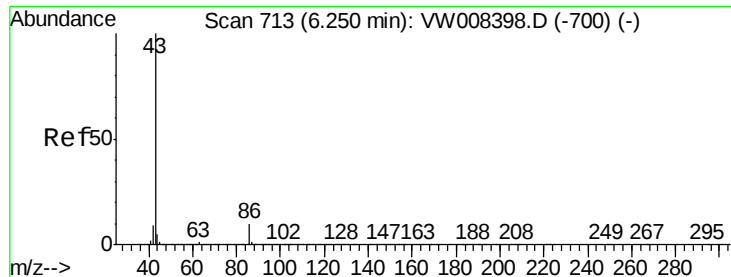
Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion:	45	Resp:	208325
Ion	Ratio	Lower	Upper
45	100		
43	57.8	42.6	63.8
87	25.8	20.3	30.5
59	10.9	8.4	12.6





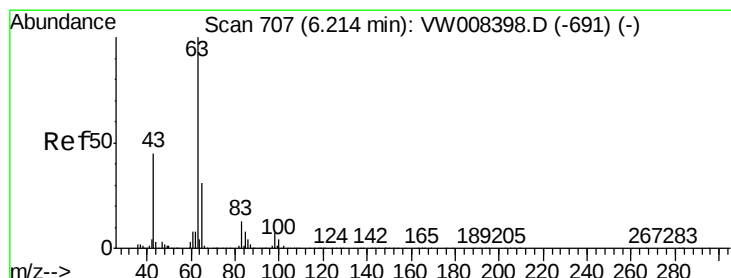
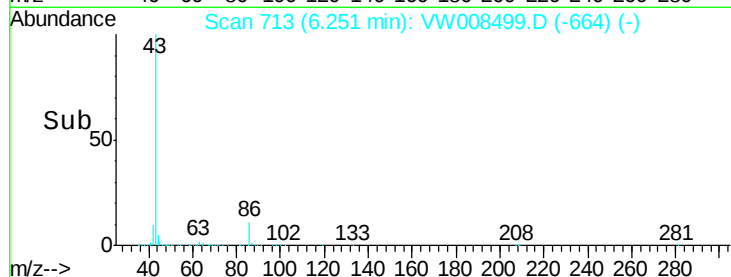
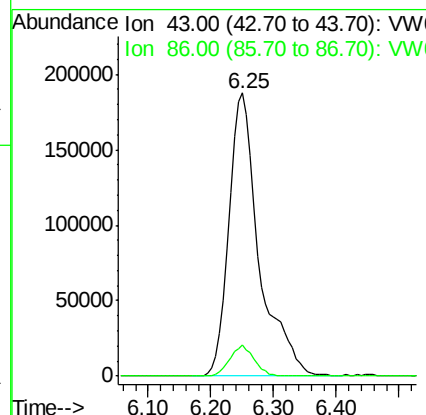
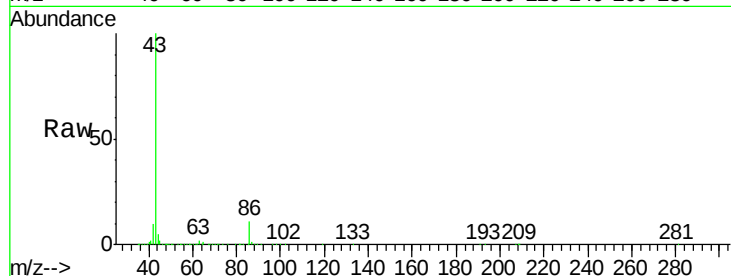
#23
 Vinyl Acetate
 Concen: 79.810 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.0	7.8	11.8

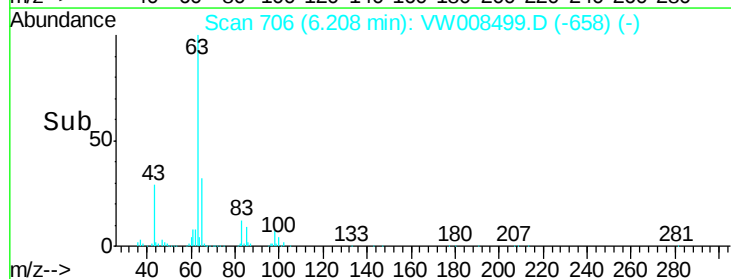
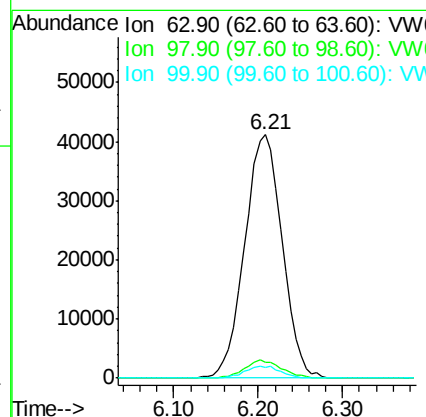
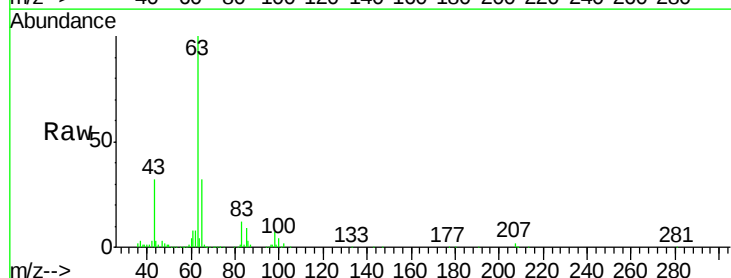
Manual Integrations
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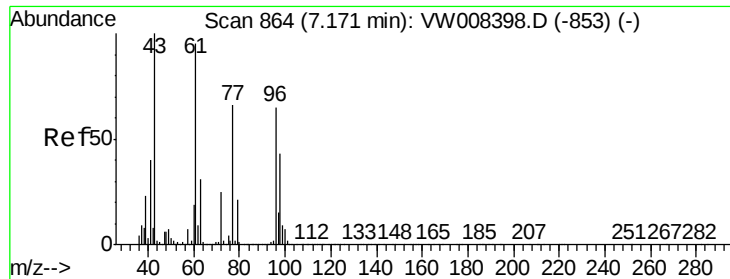
MMDadoda
 2/5/2019 10:42:52 AM



#24
 1,1-Dichloroethane
 Concen: 16.508 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.5
100	4.5	2.1	6.2





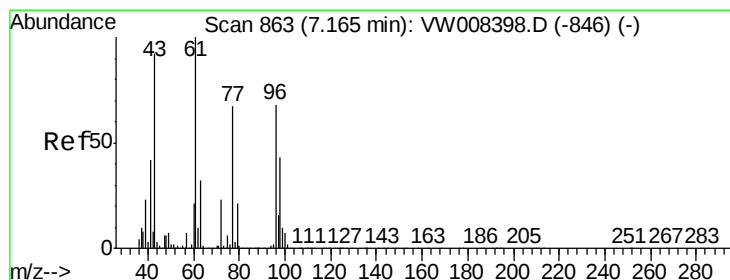
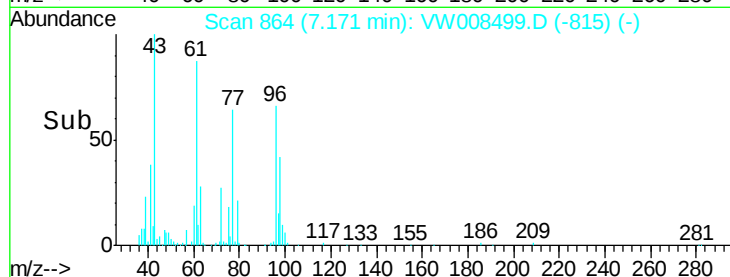
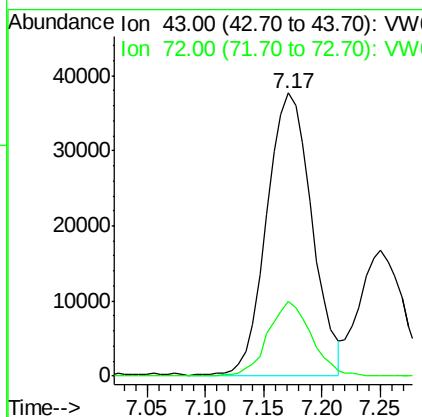
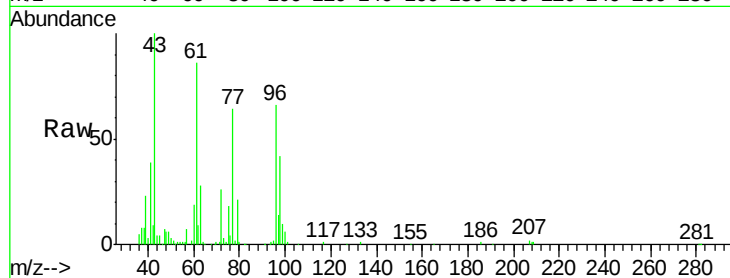
#25
2-Butanone
Concen: 81.604 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VW0204SBS01

Tot Ion: 43 Resp: 100854
Ion Ratio Lower Upper
43 100
72 26.5 20.1 30.1

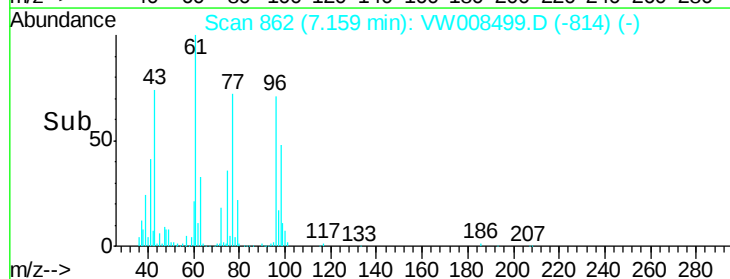
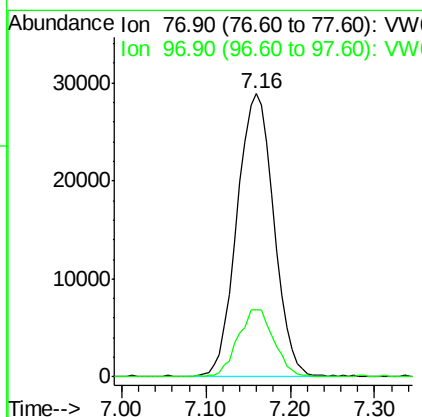
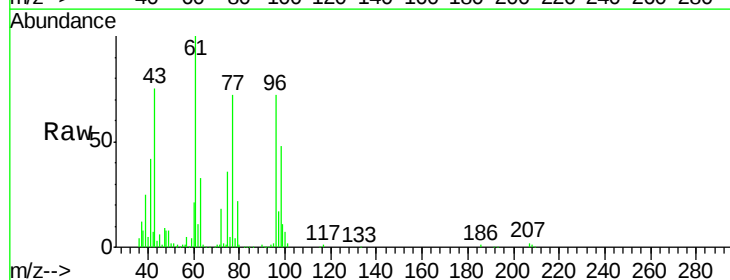
Manual Integrations
APPROVED

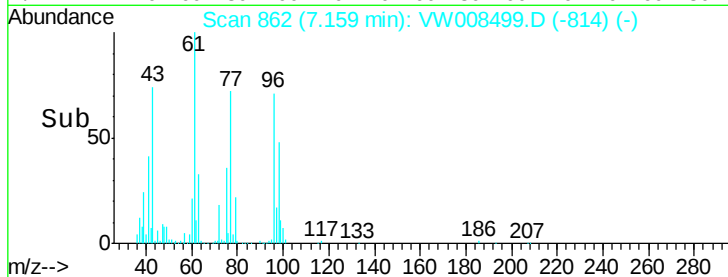
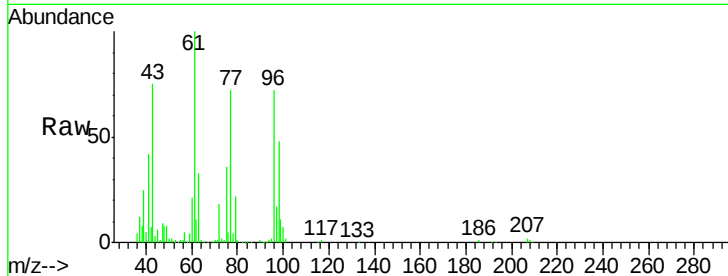
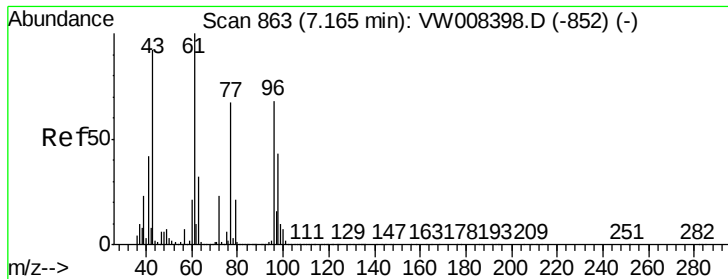
MMDadoda
2/5/2019 10:42:52 AM



#26
2,2-Dichloropropane
Concen: 16.886 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion: 77 Resp: 85835
Ion Ratio Lower Upper
77 100
97 23.4 11.5 34.5





#27

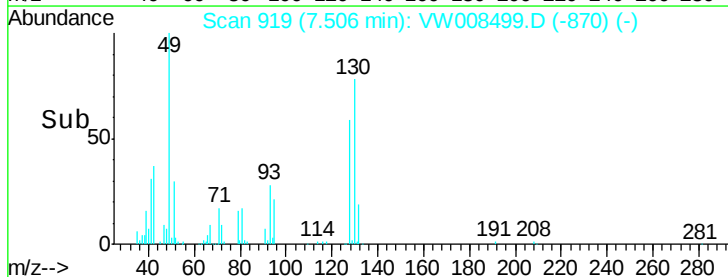
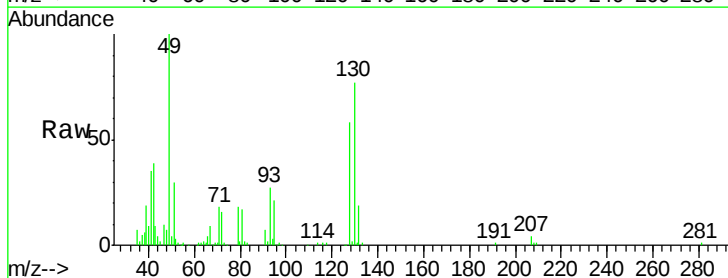
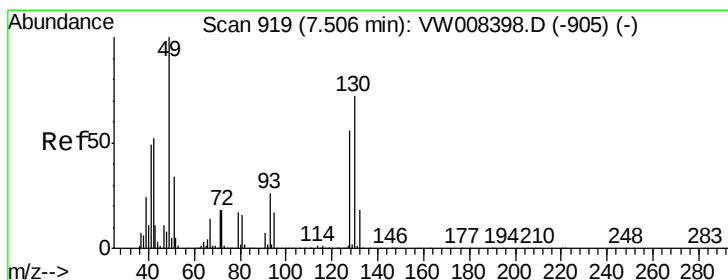
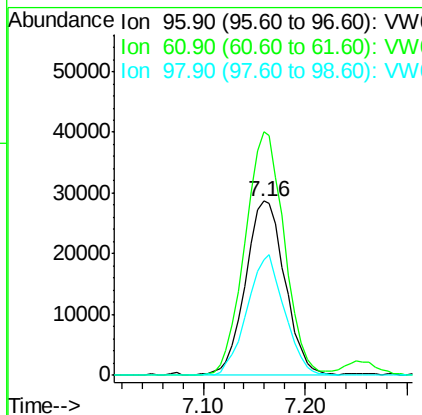
cis-1,2-Dichloroethene
Concen: 16.882 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	292.8
98	66.6	0.0	129.2

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Manual Integrations
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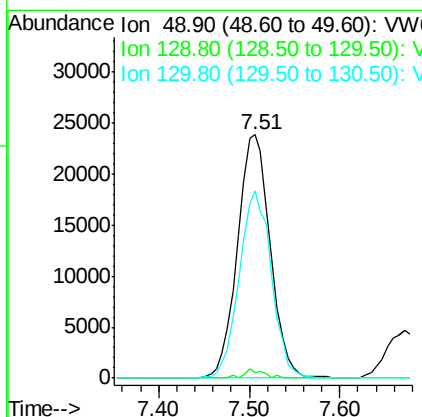
MMDadoda
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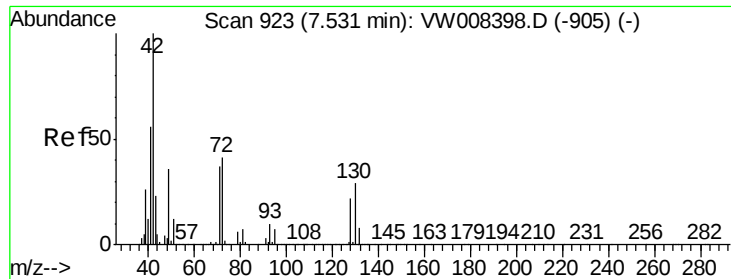


#28

Bromochloromethane
Concen: 17.255 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	75.7	58.6	87.8





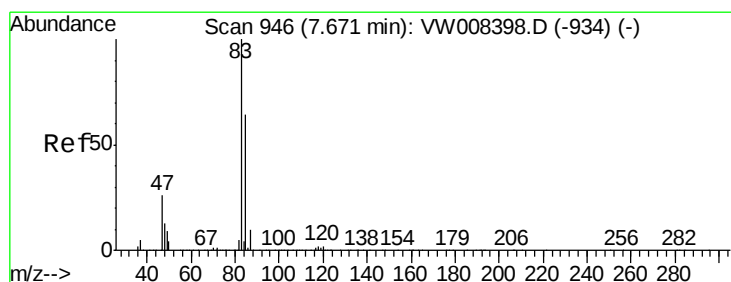
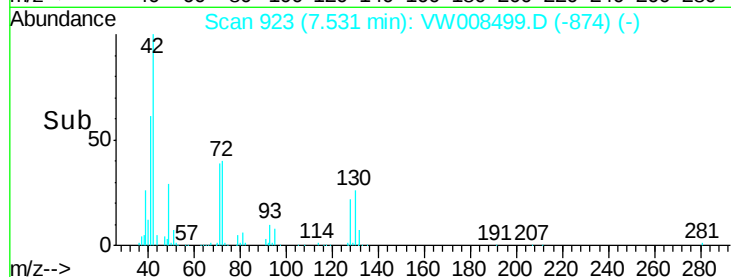
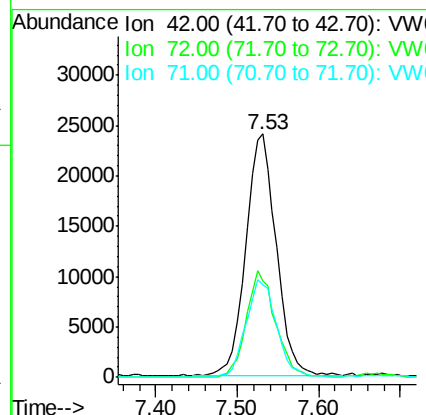
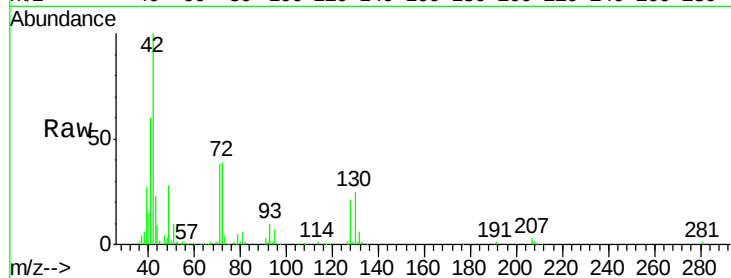
#29
Tetrahydrofuran
Concen: 79.732 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	31.9	47.9
71	40.6	29.9	44.9

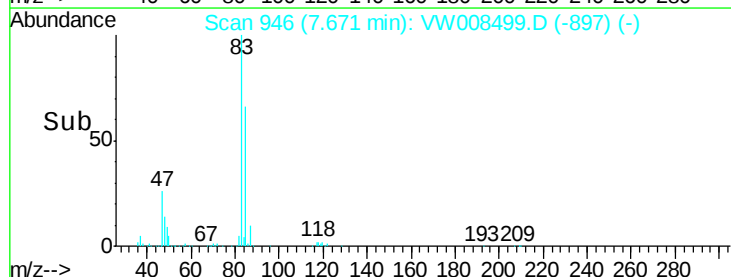
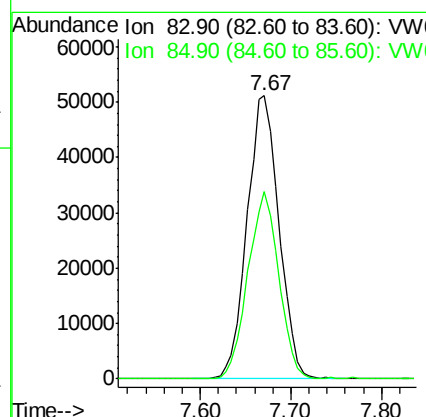
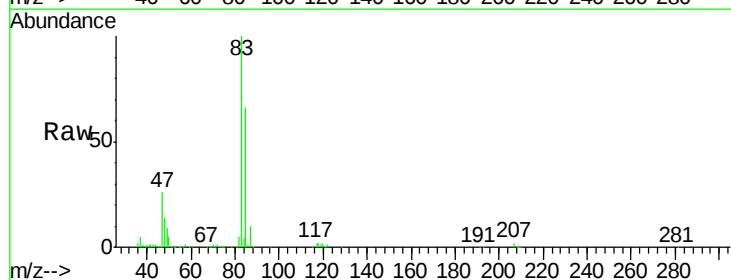
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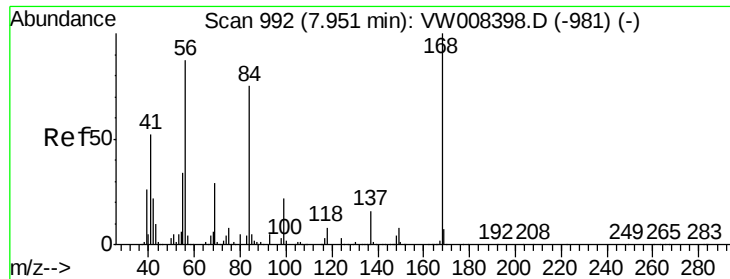
MMDadoda
2/5/2019 10:42:52 AM



#30
Chloroform
Concen: 16.838 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3





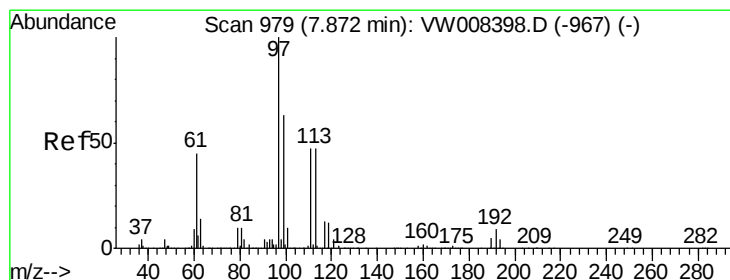
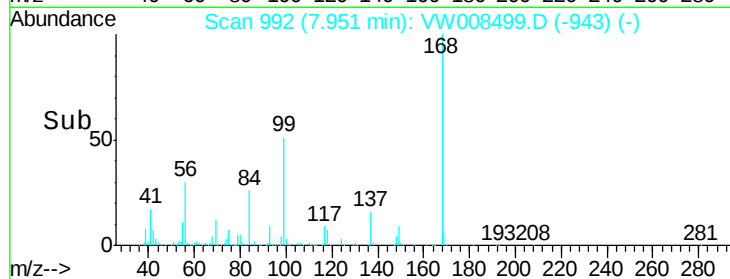
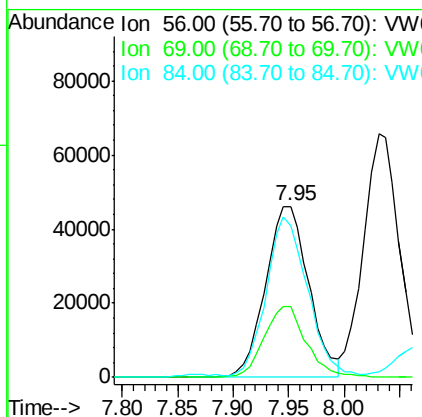
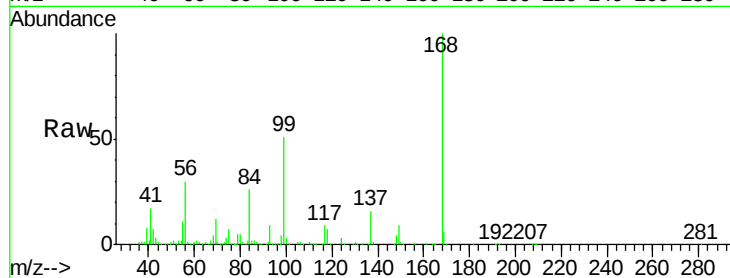
#31
Cyclohexane
Concen: 16.020 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.9	26.4	39.6#
84	86.7	69.1	103.7

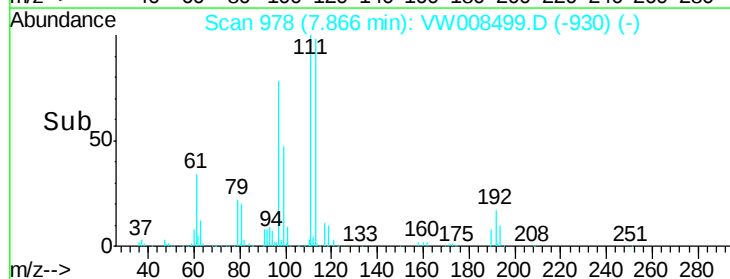
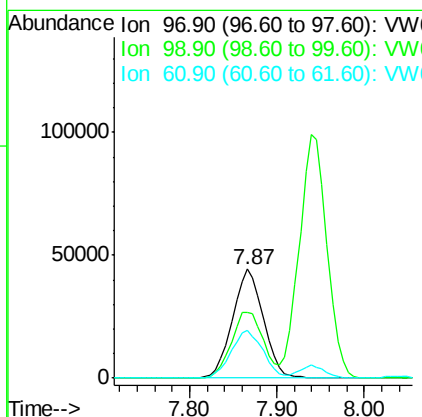
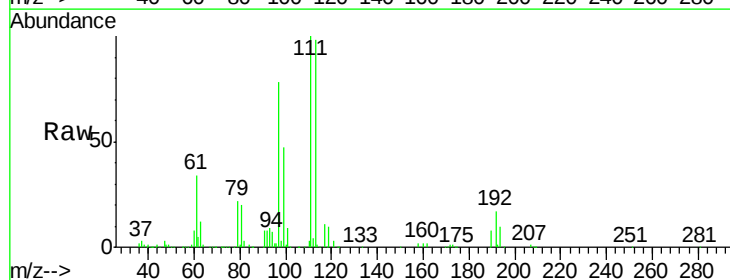
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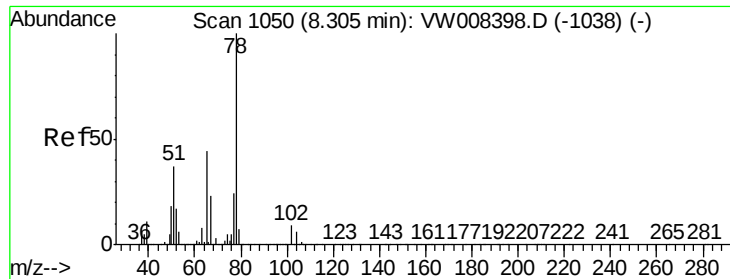
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.070 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	45.0	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 46.270 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion: 65 Resp: 183332

Ion Ratio Lower Upper

65 100

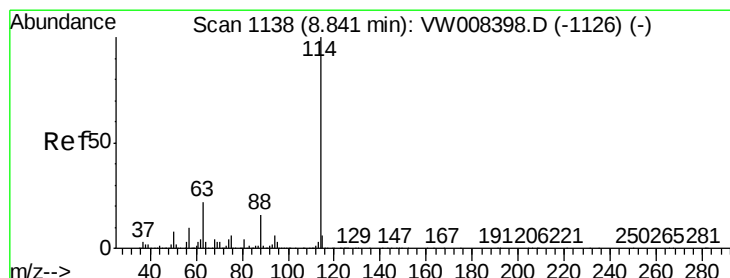
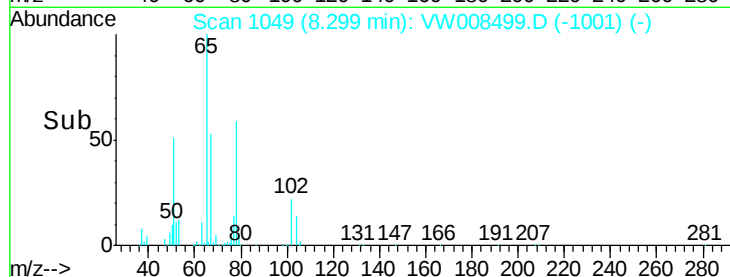
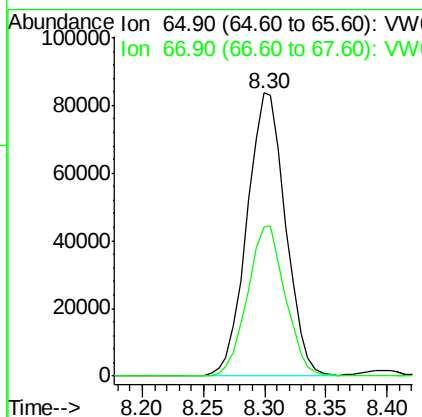
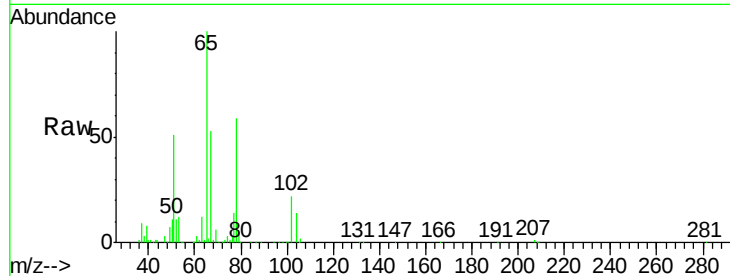
67 52.3 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

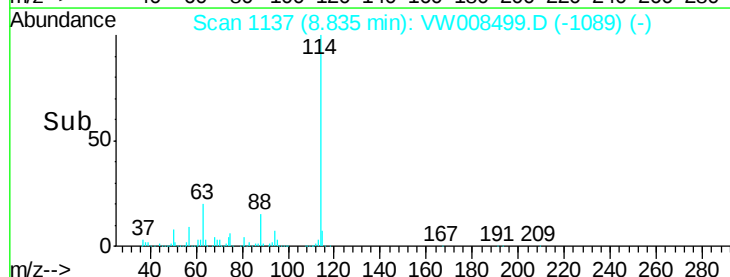
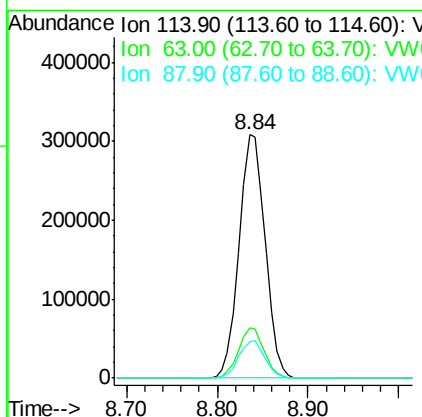
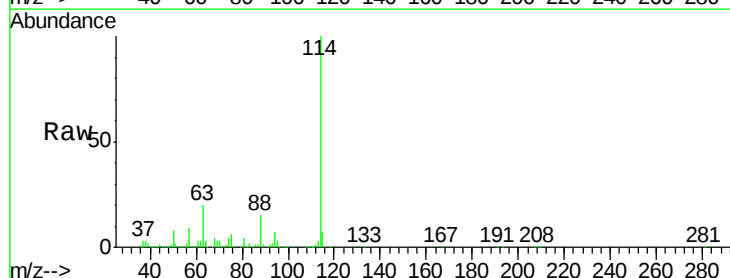
Tgt Ion: 114 Resp: 614497

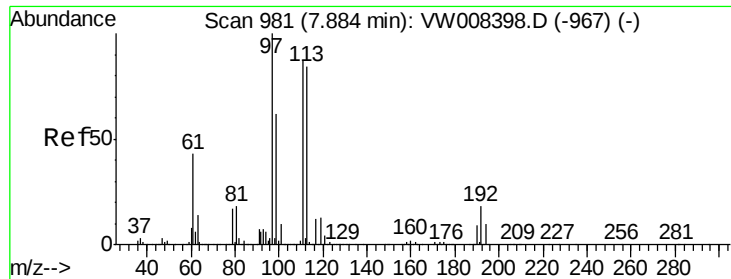
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.6

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.113 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

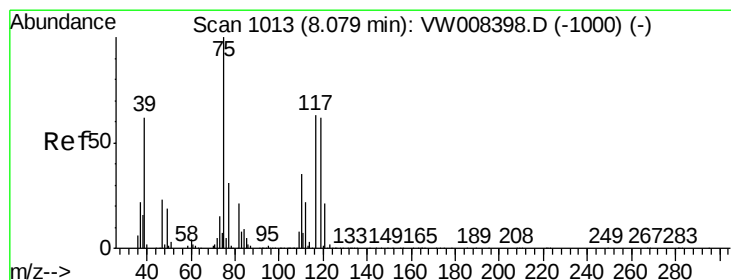
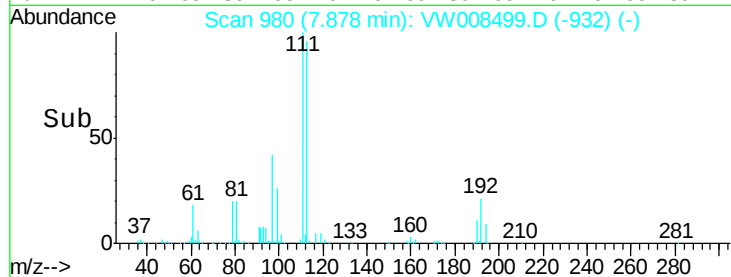
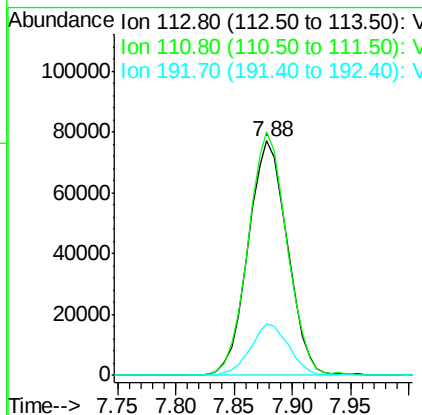
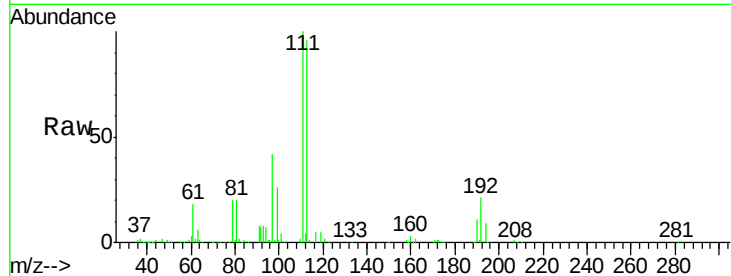
ClientSampled :

VW0204SBS01

Tot Ion:	113	Resp:	180065
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.0	121.4
192	21.4	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 17.710 ug/l

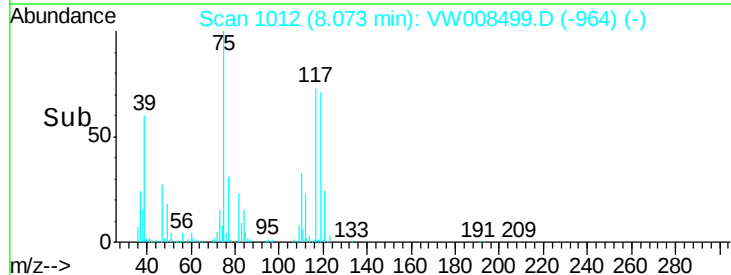
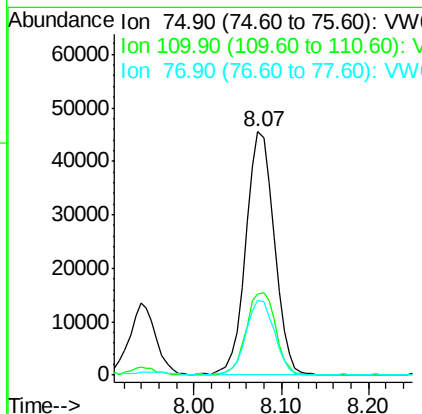
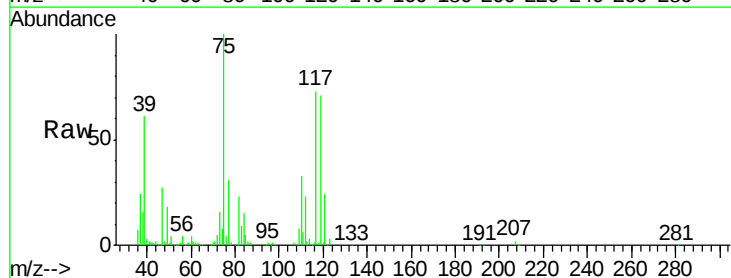
RT: 8.07 min Scan# 1012

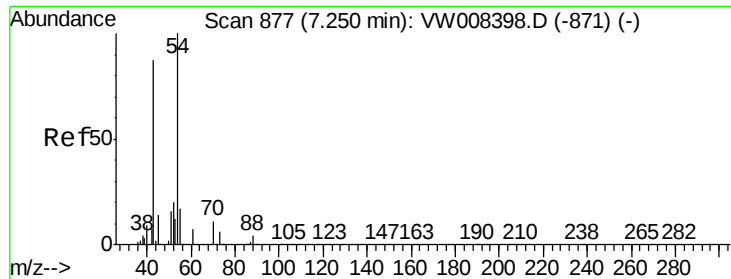
Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion:	75	Resp:	102802
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.3	52.0
77	31.4	24.7	37.1





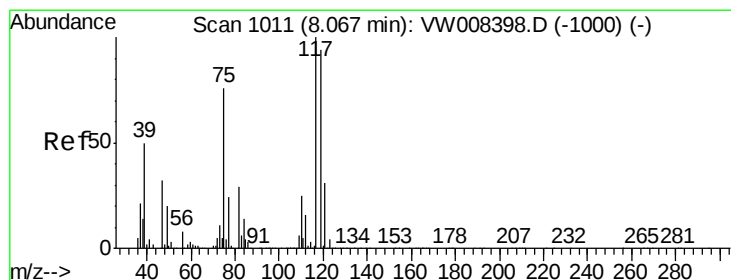
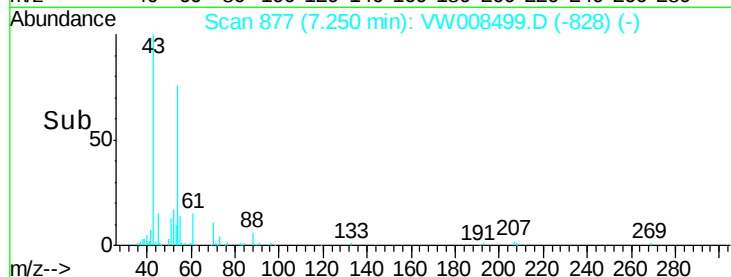
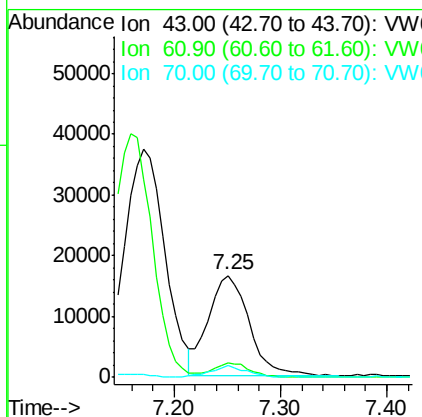
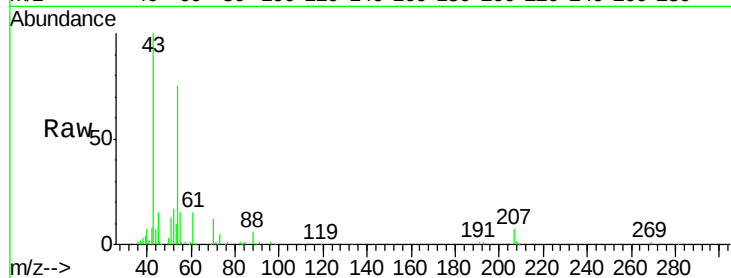
#37
Ethyl Acetate
Concen: 17.240 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.1	15.1
70	10.2	7.8	11.6

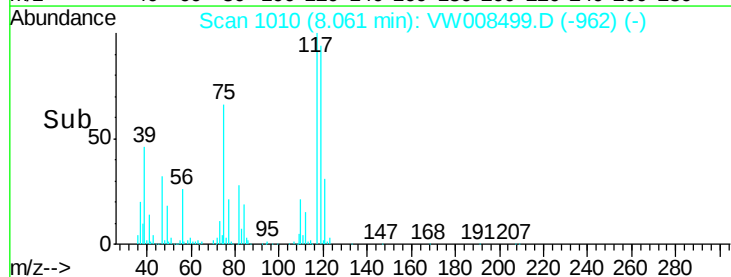
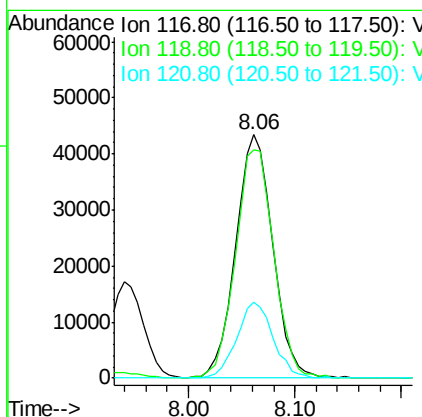
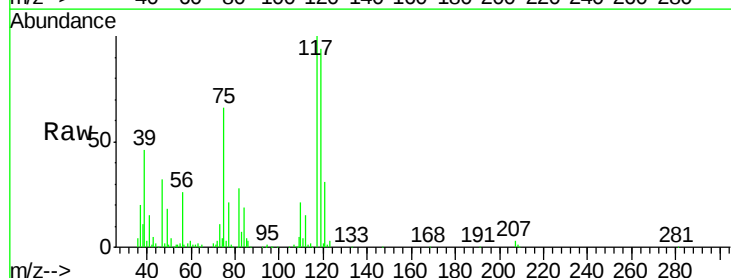
Manual Integrations
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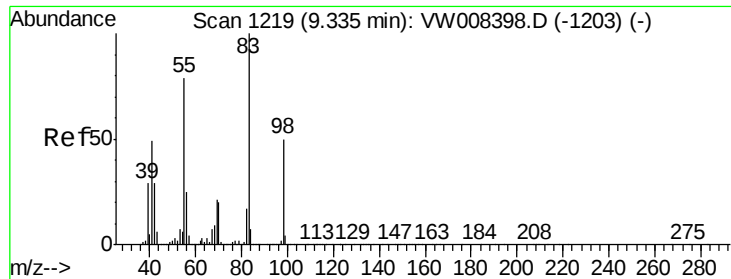
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#38
Carbon Tetrachloride
Concen: 18.108 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.0	112.4
121	31.1	24.9	37.3





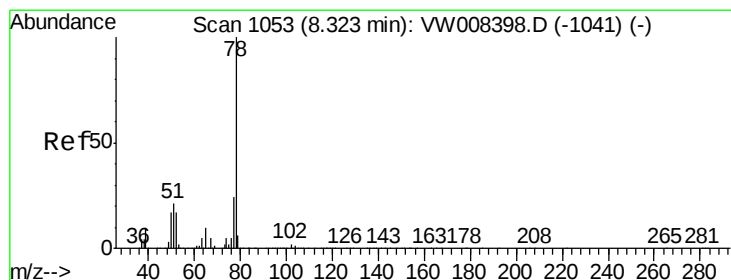
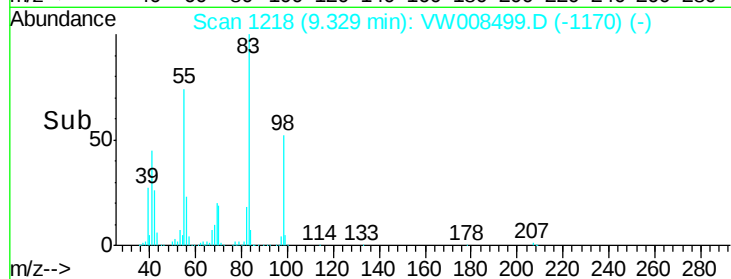
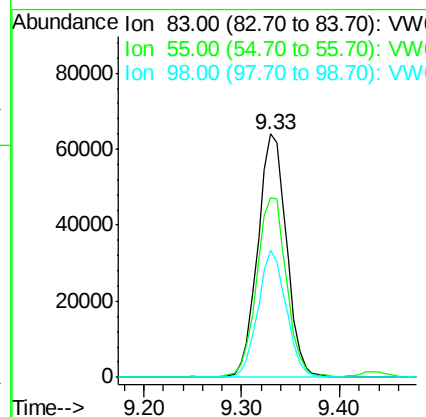
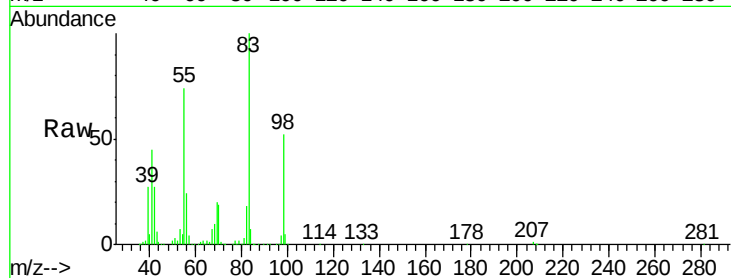
#39
Methvlcvclohexane
Concen: 17.249 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	131527		
55	73.4	63.3	94.9	
98	52.0	39.7	59.5	

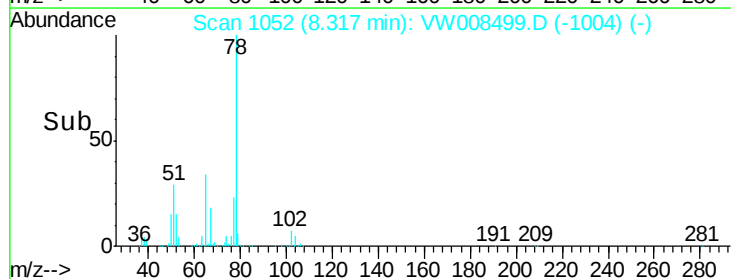
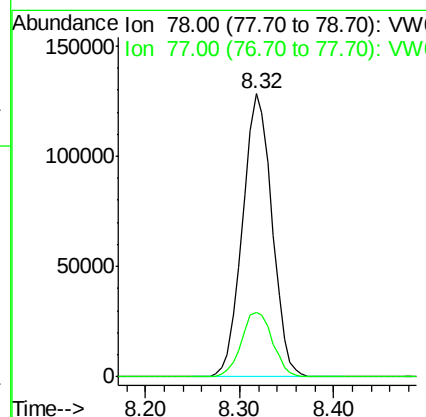
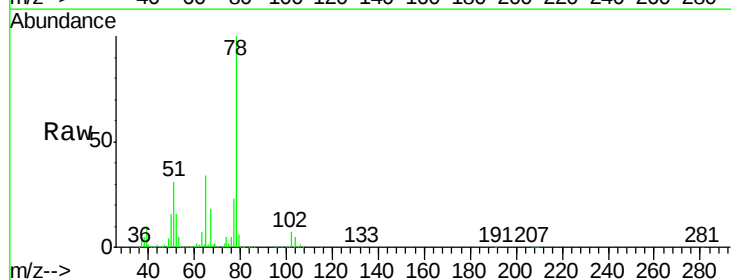
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#40
Benzene
Concen: 17.310 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	278806		
77	22.9	19.0	28.6	





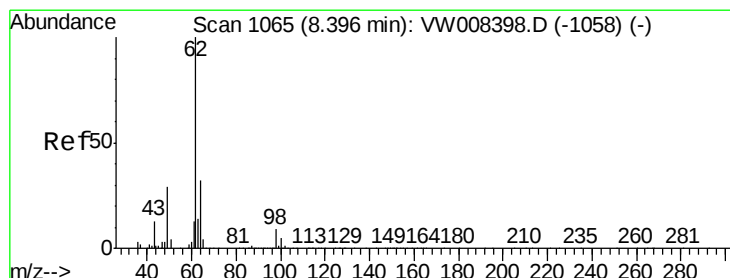
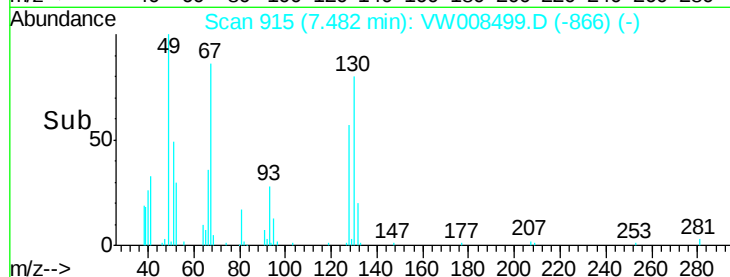
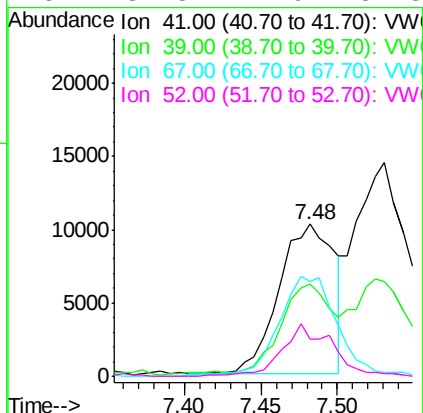
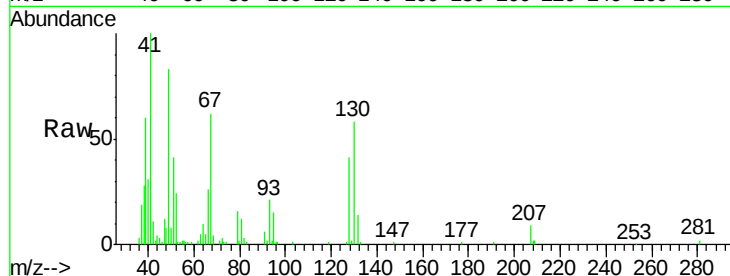
#41
Methacrylonitrile
Concen: 17.032 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25900		
39	55.2	43.4	65.0		
67	69.6	54.2	81.2		
52	31.3	22.9	34.3		

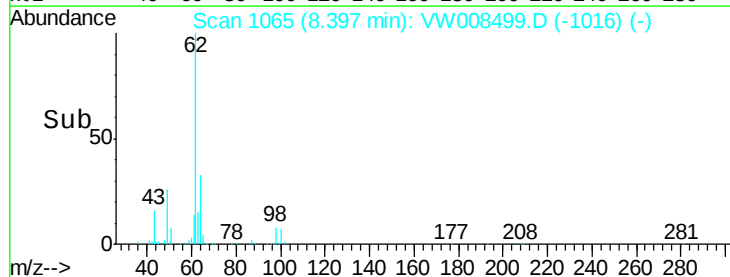
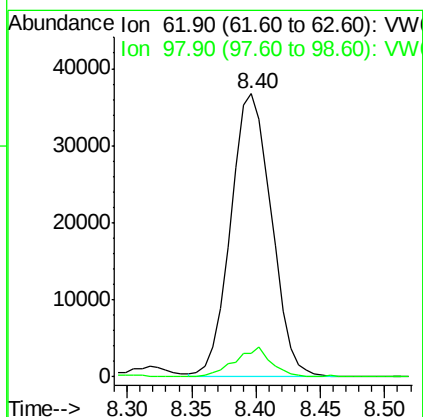
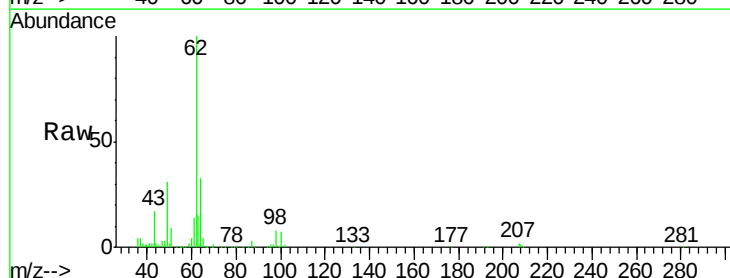
Manual Integrations
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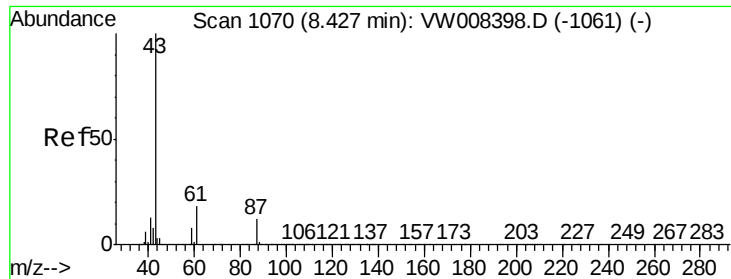
MMDadoda
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#42
1,2-Dichloroethane
Concen: 17.339 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		80935		
98	9.3	0.0	18.6		





#43

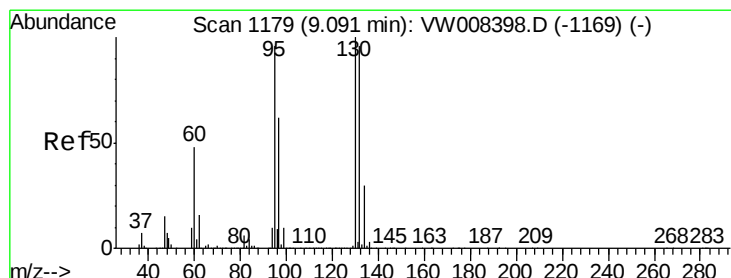
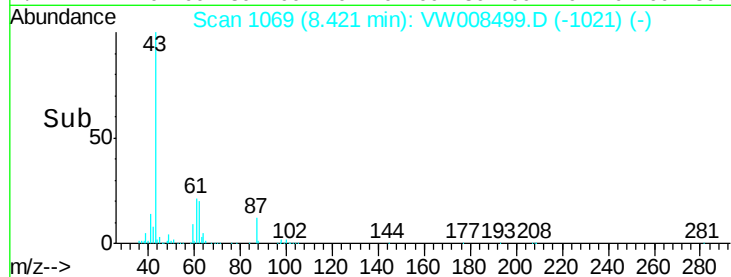
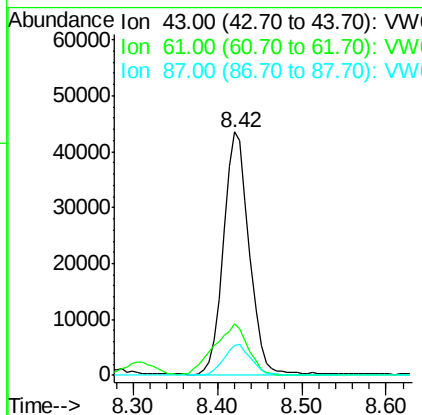
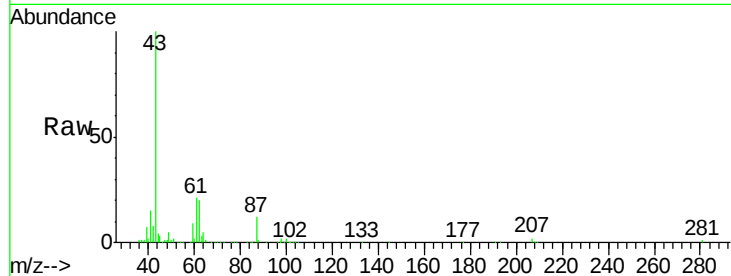
Isopropyl Acetate
 Concen: 16.837 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.01 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	22.0	33.0
87	13.3	9.3	13.9

Manual Integrations
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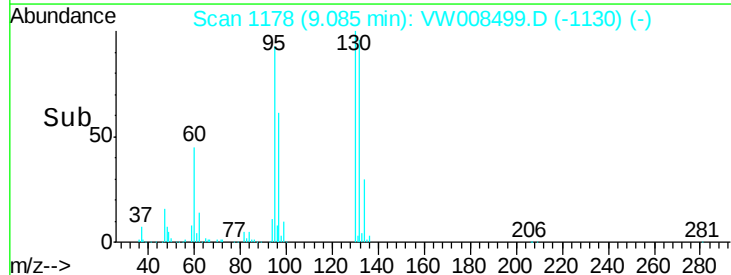
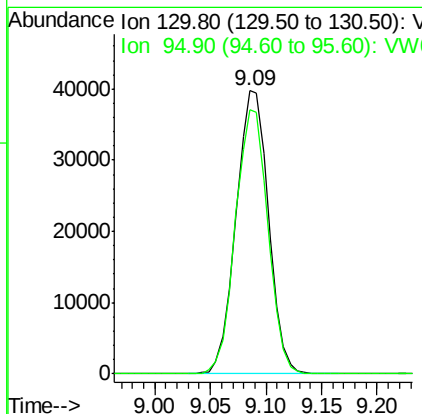
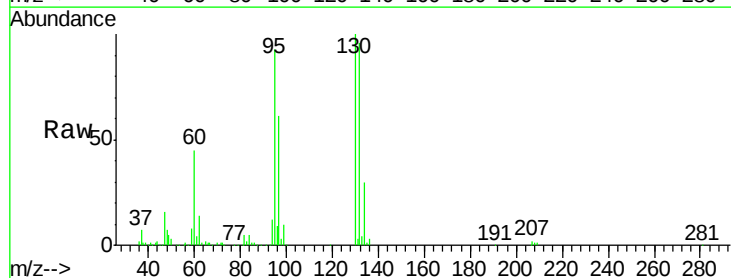
MMDadoda
 2/5/2019 10:42:52 AM

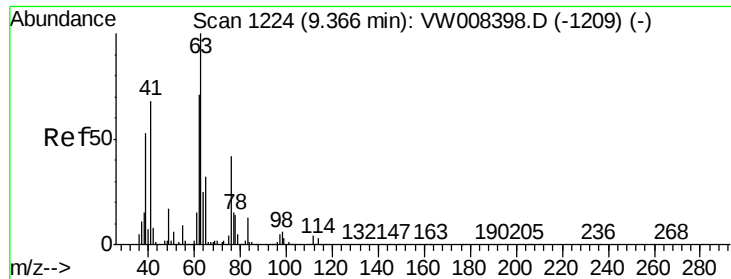


#44

Trichloroethene
 Concen: 18.360 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	191.6





#45

1,2-Dichloropropane

Concen: 17.130 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion: 63 Resp: 68795

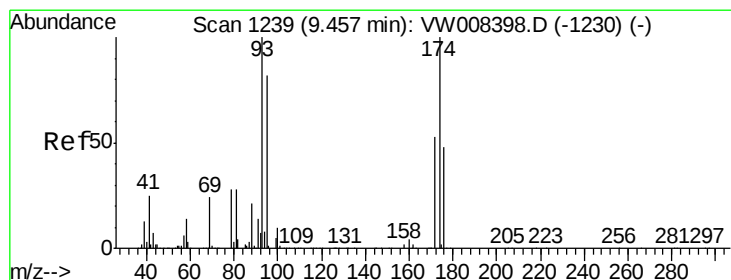
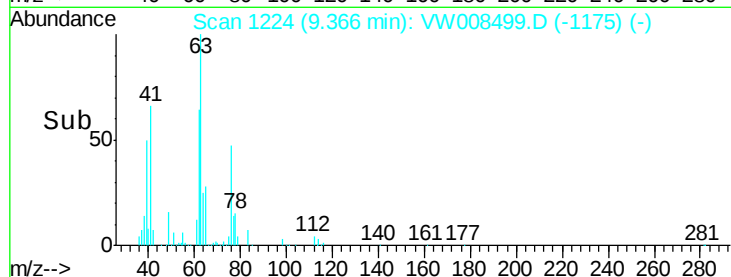
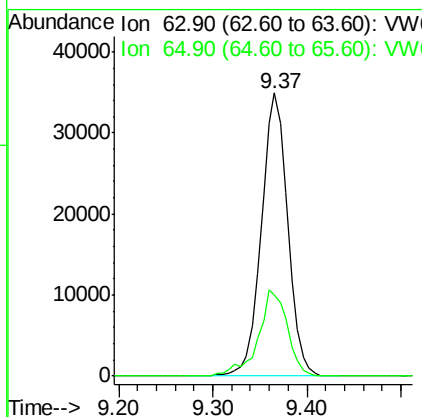
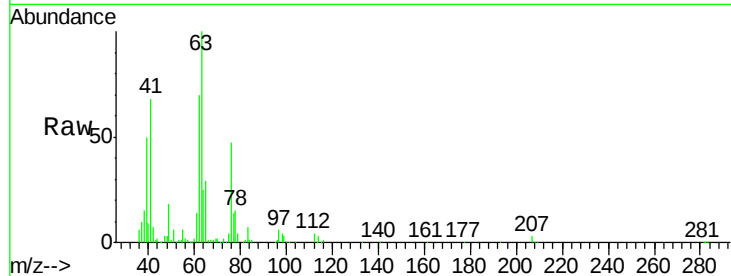
Ion Ratio Lower Upper

63 100

65 28.6 25.2 37.8

Manual Integrations
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2/5/2019 10:42:52 AM



#46

Dibromomethane

Concen: 17.502 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

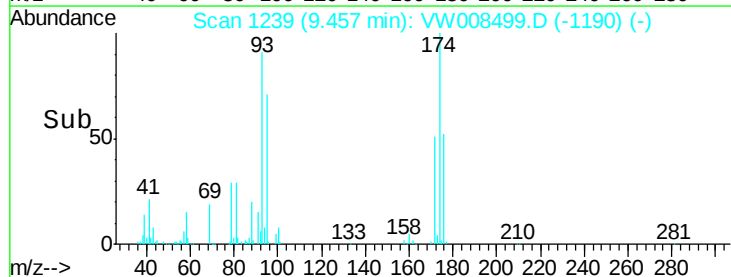
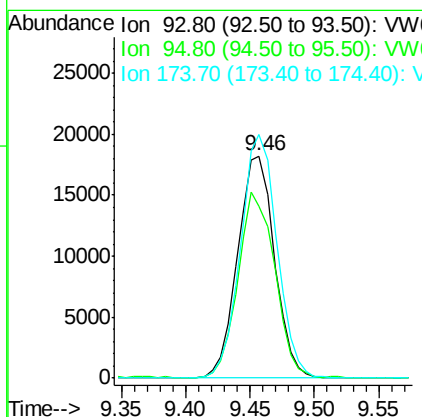
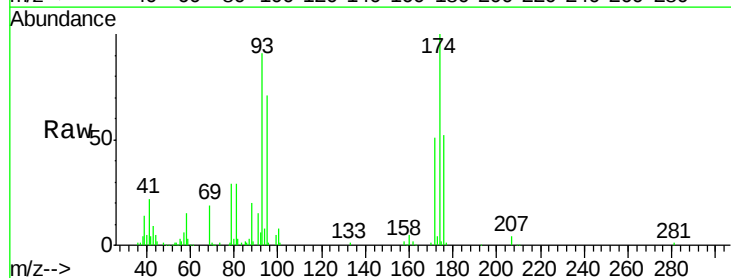
Tgt Ion: 93 Resp: 36152

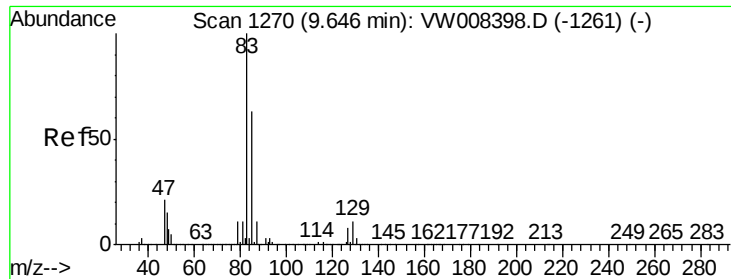
Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

174 108.0 81.0 121.6





#47

Bromodichloromethane

Concen: 17.299 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

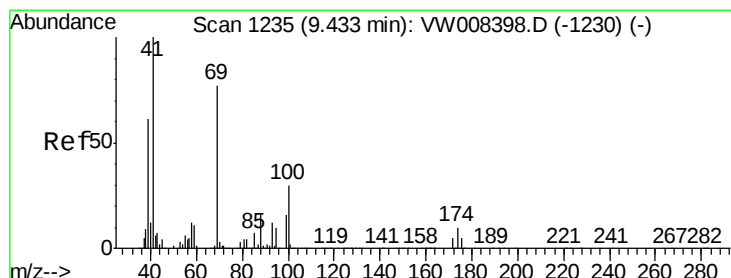
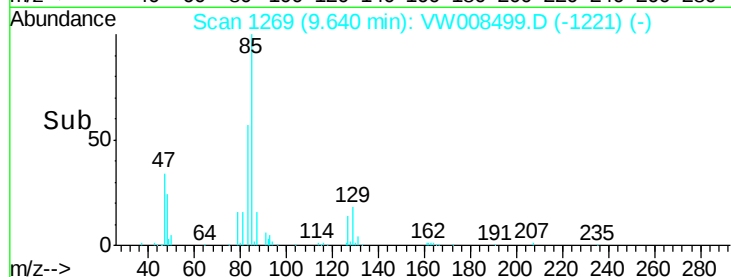
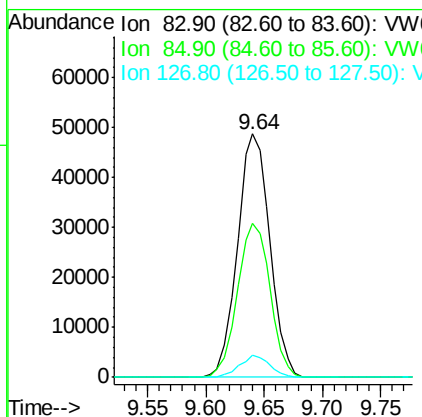
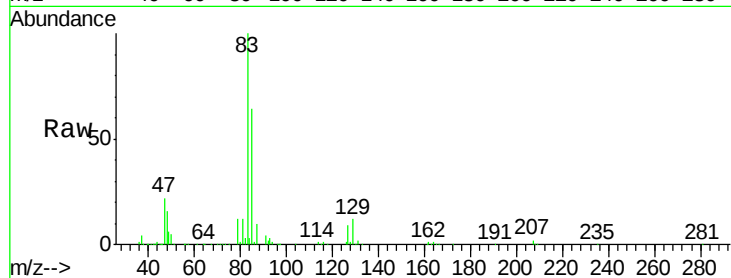
ClientSampleId :

VW0204SBS01

Tot Ion:	83	Resp:	94513
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.8	76.2
127	9.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.740 ug/l

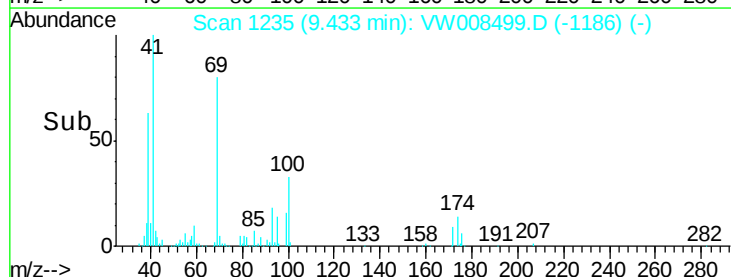
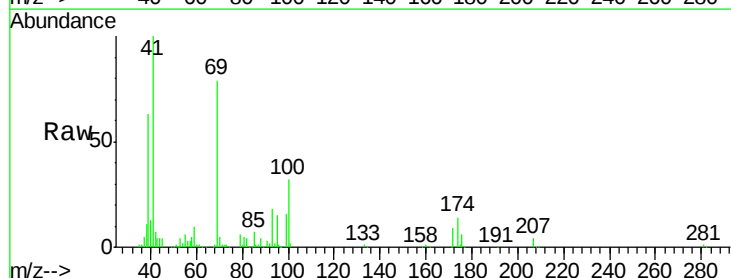
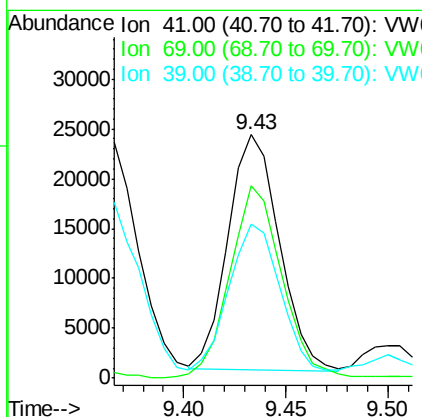
RT: 9.43 min Scan# 1235

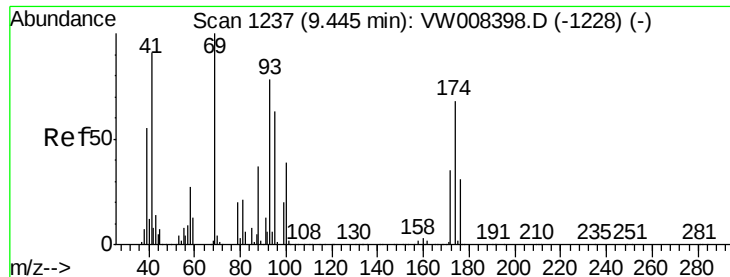
Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion:	41	Resp:	41063
Ion Ratio	Lower	Upper	
41	100		
69	84.2	64.8	97.2
39	63.0	49.1	73.7





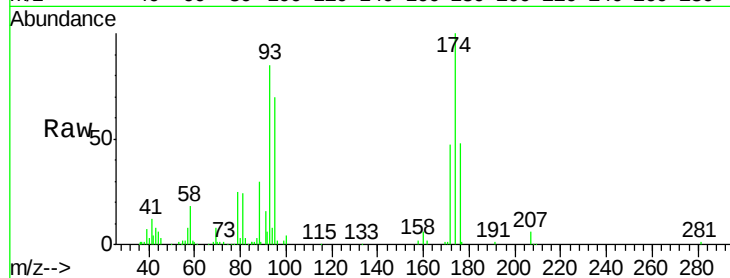
#49
1,4-Dioxane
Concen: 334.436 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	73.2	56.4	84.6

Manual Integrations
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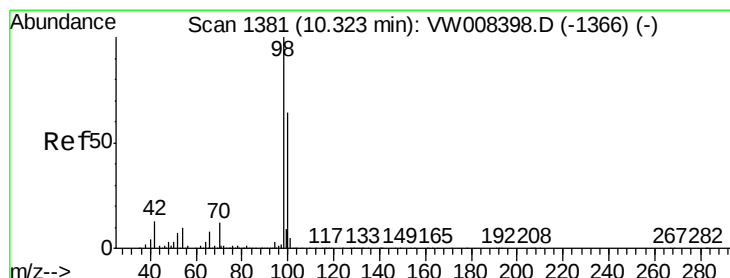
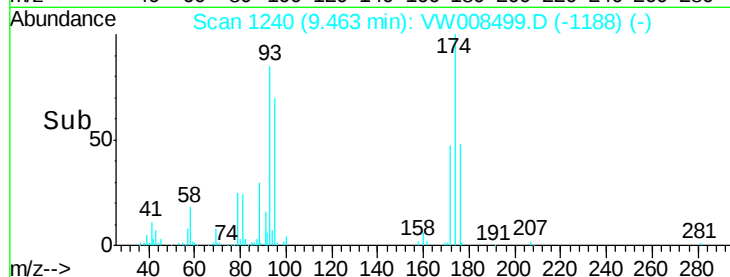
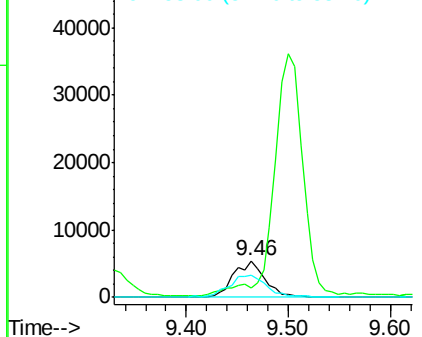


Abundance

Ion 88.00 (87.70 to 88.70): VW

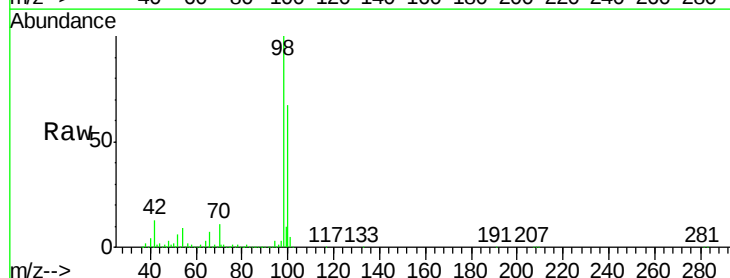
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 48.315 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

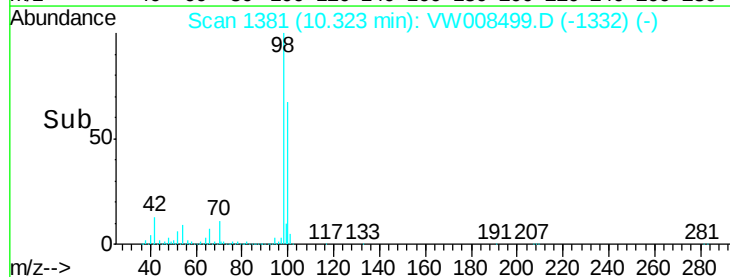
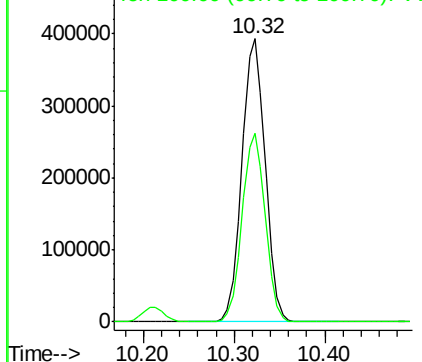
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8

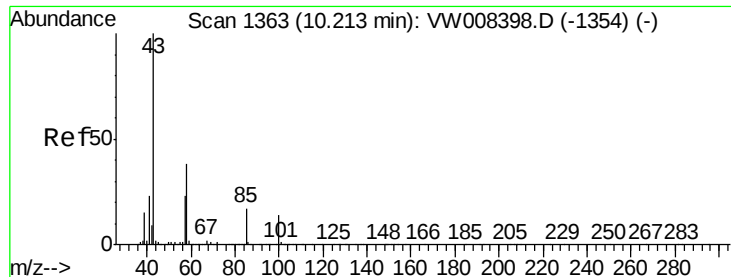


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 82.828 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion: 43 Resp: 218320

Ion Ratio Lower Upper

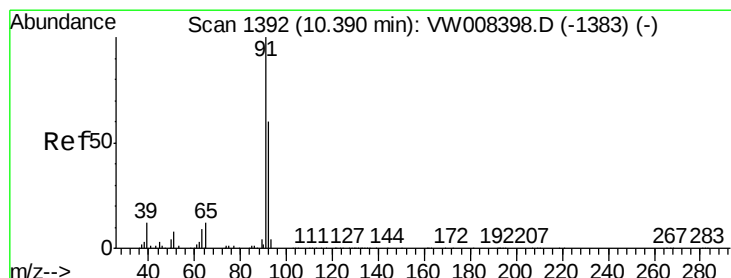
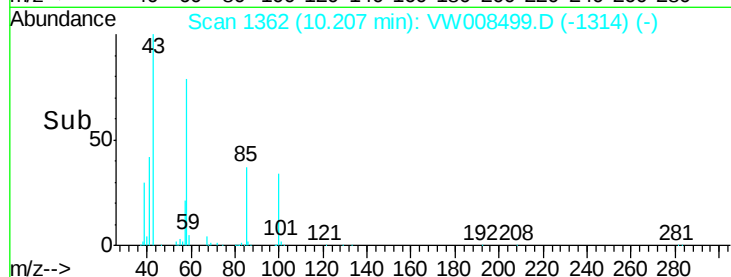
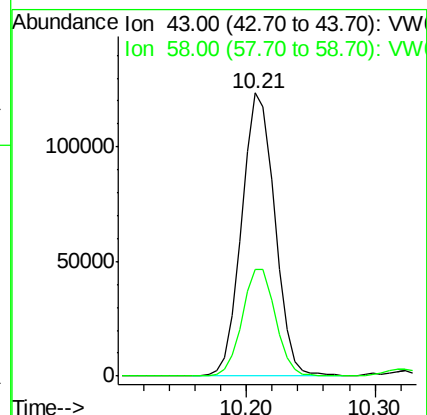
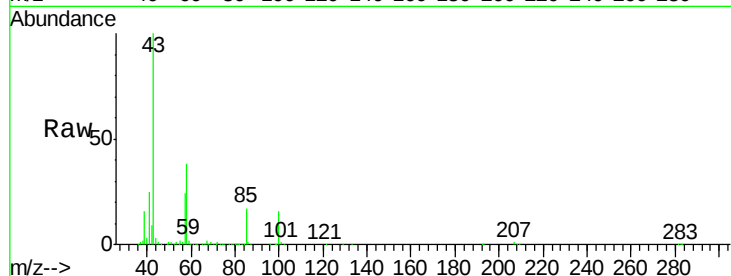
43 100

58 38.3 29.7 44.5

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#52

Toluene

Concen: 17.170 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008499.D

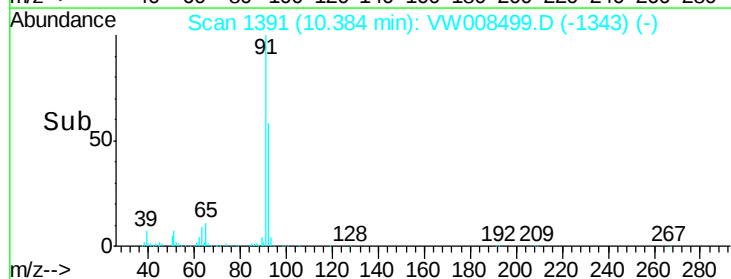
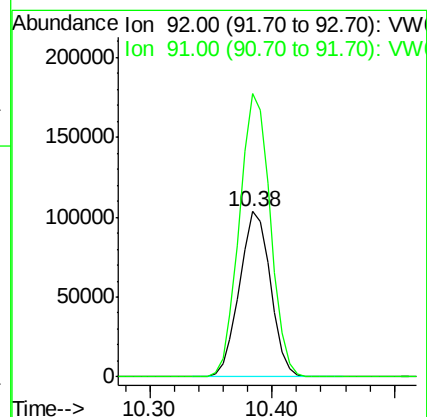
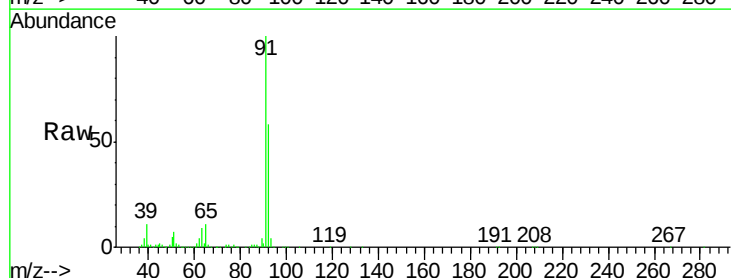
Acq: 04 Feb 2019 11:21

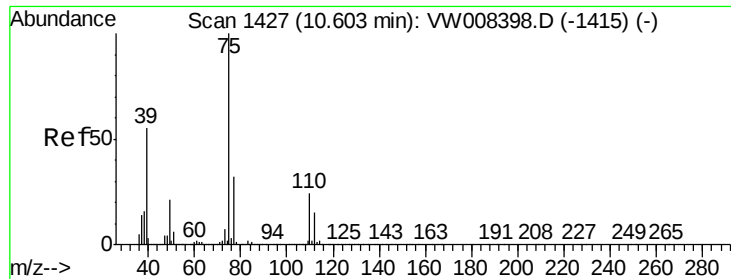
Tgt Ion: 92 Resp: 182562

Ion Ratio Lower Upper

92 100

91 169.4 135.5 203.3





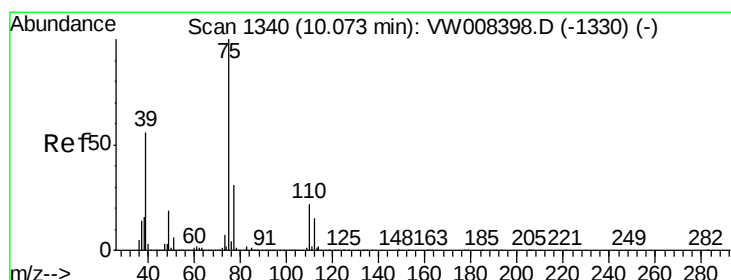
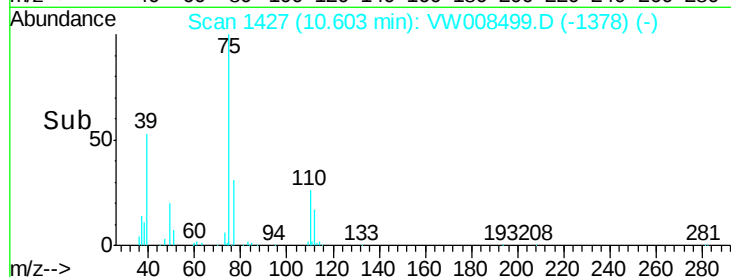
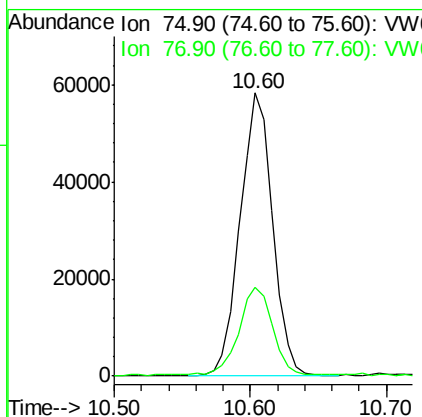
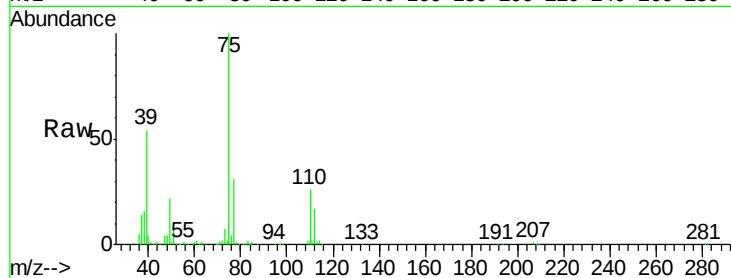
#53
t-1,3-Dichloropropene
Concen: 16.730 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VW0204SBS01

Tot Ion: 75 Resp: 97265
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9

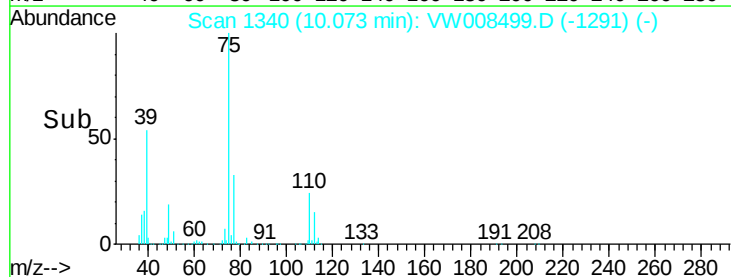
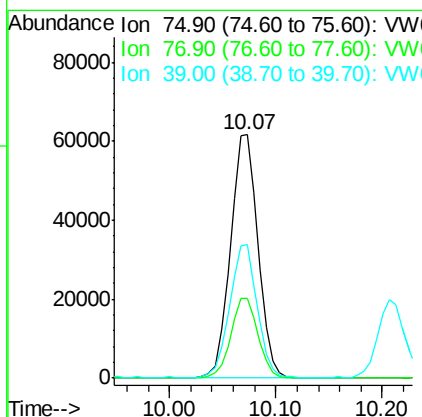
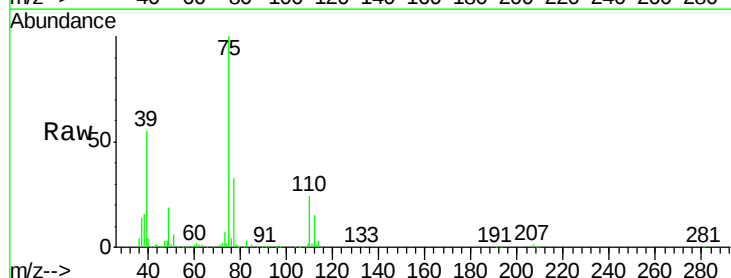
Manual Integrations
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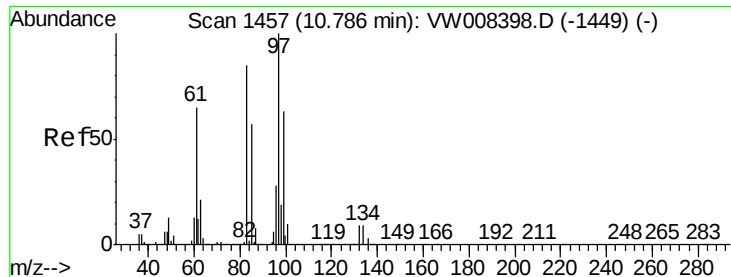
MMDadoda
2/5/2019 10:42:52 AM



#54
cis-1,3-Dichloropropene
Concen: 17.009 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion: 75 Resp: 112220
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.4
39 54.3 44.9 67.3





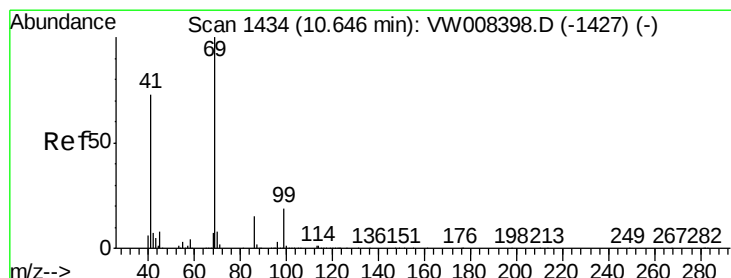
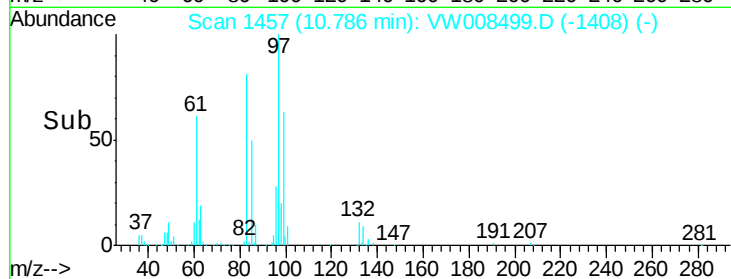
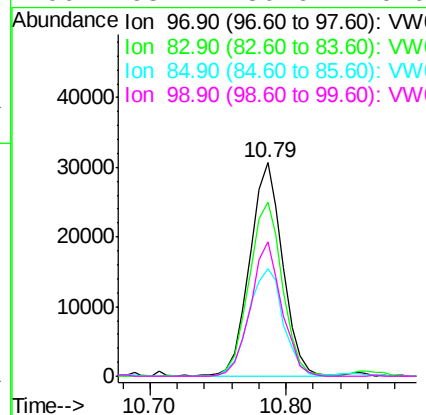
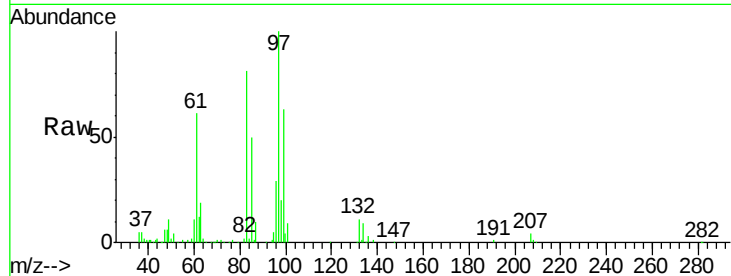
#55
 1,1,2-Trichloroethane
 Concen: 17.985 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Tot Ion:	97	Resp:	51529
Ion	Ratio	Lower	Upper
97	100		
83	81.4	68.4	102.6
85	50.2	45.3	67.9
99	63.2	50.6	76.0

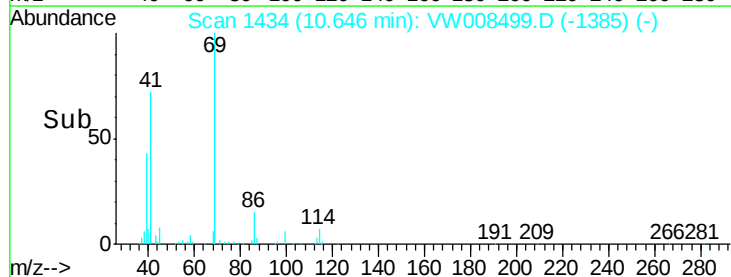
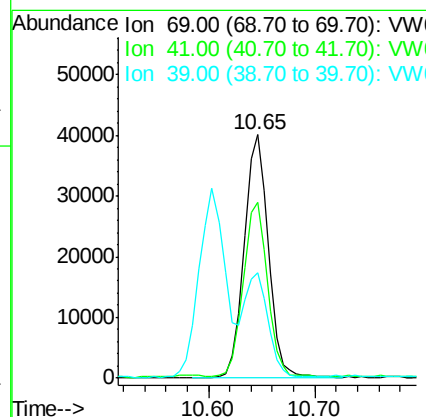
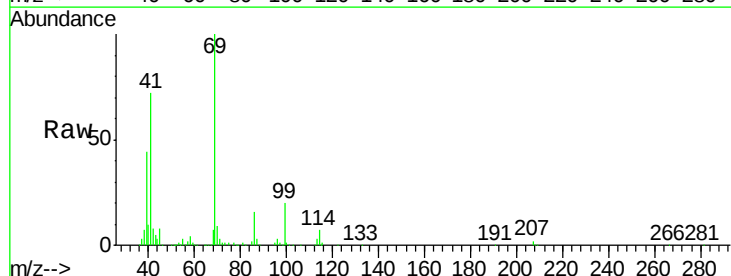
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 15.917 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Tgt Ion:	69	Resp:	63901
Ion	Ratio	Lower	Upper
69	100		
41	73.0	58.7	88.1
39	40.4	32.6	48.8





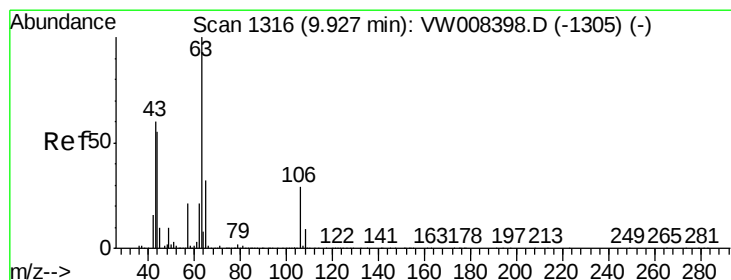
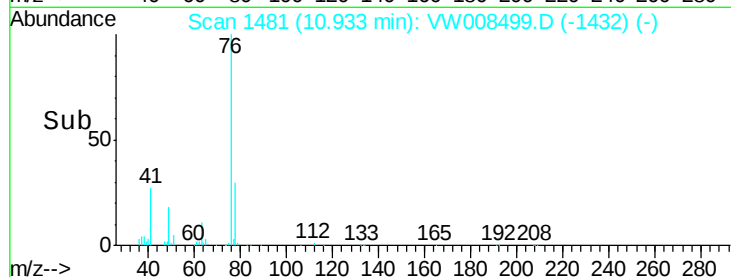
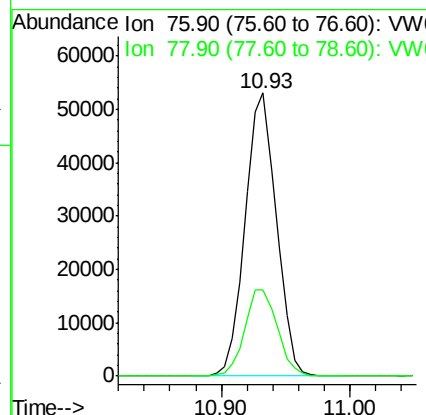
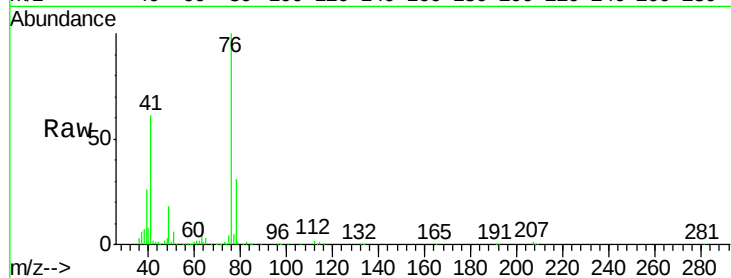
#57
 1,3-Dichloropropane
 Concen: 17.276 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

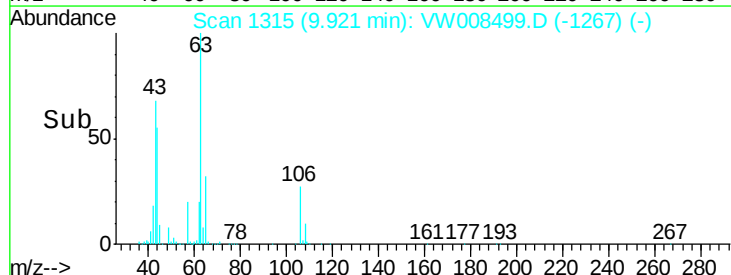
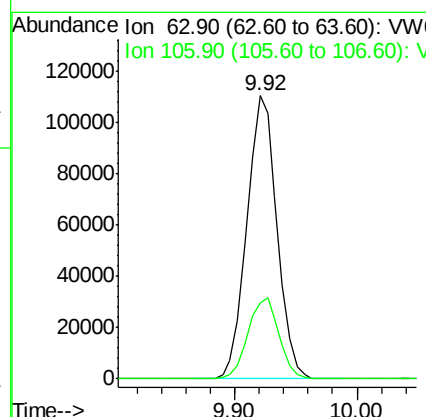
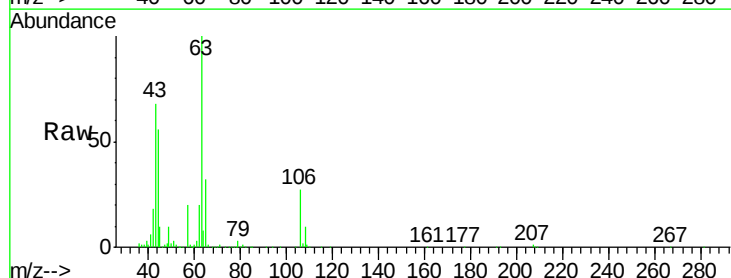
Manual Integrations
 APPROVED

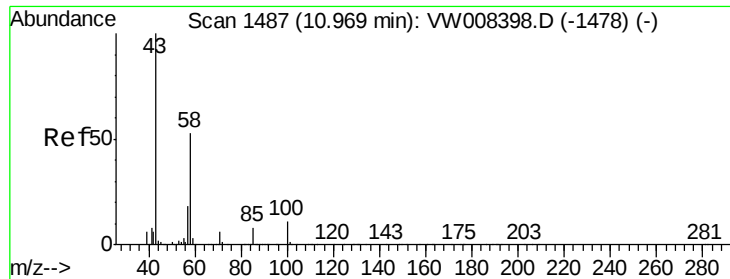
MMDadoda
 2/5/2019 10:42:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.720 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	22.4	33.6





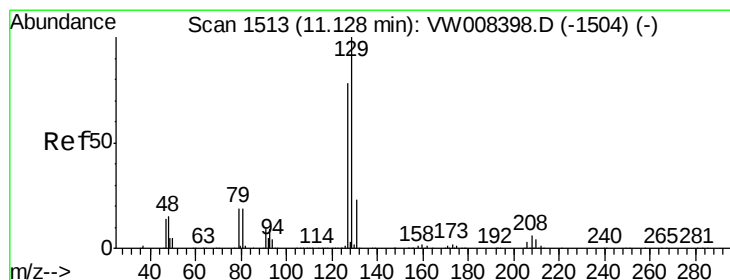
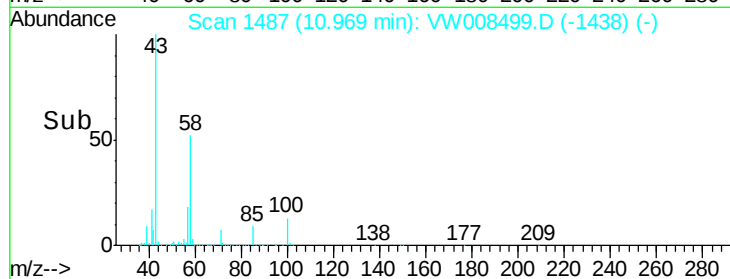
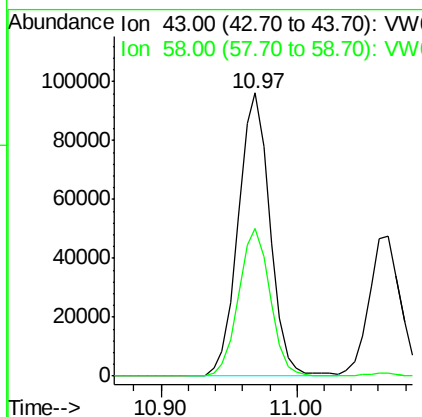
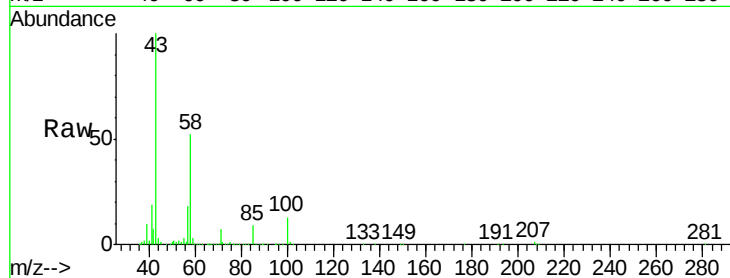
#59
2-Hexanone
Concen: 83.870 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion: 43 Resp: 156065
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7

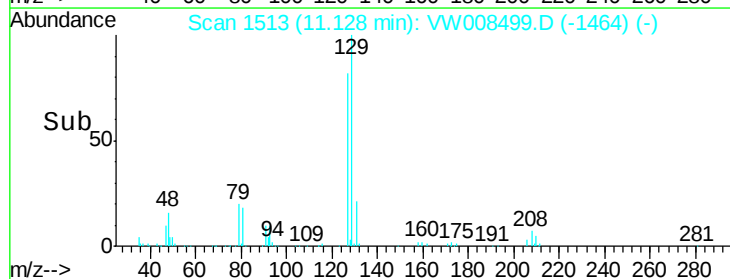
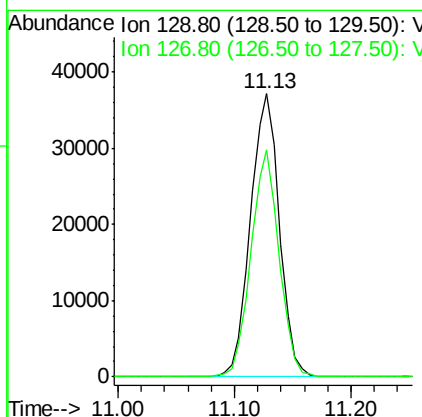
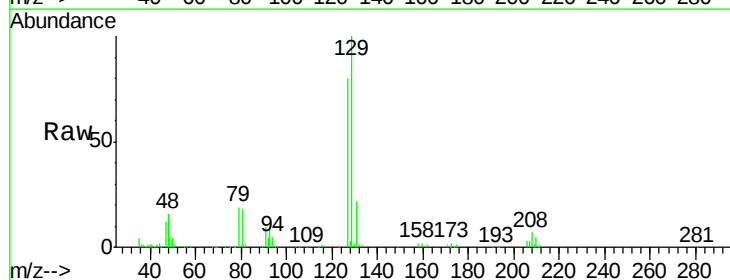
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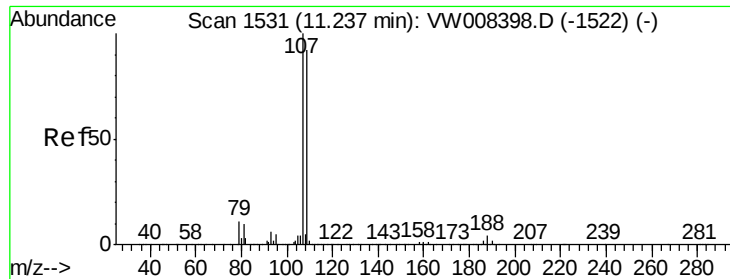
MMDadoda
2/5/2019 10:42:52 AM



#60
Dibromochloromethane
Concen: 17.462 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion: 129 Resp: 64295
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.889 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion: 107 Resp: 50820

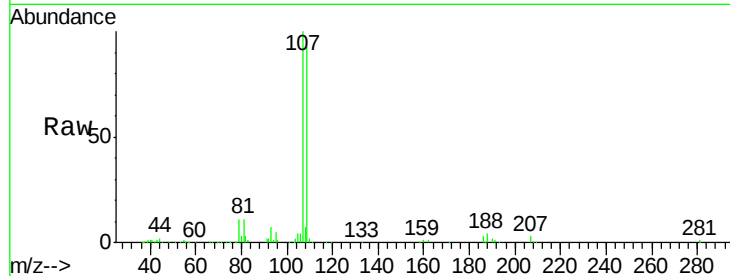
Ion Ratio Lower Upper

107 100

109 91.9 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

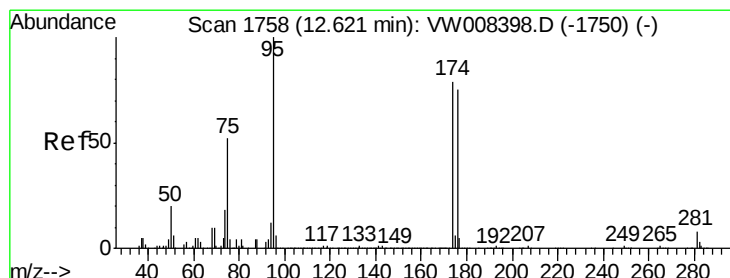
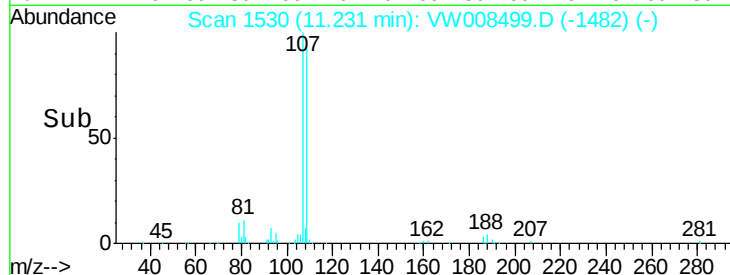
20000

10000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 46.181 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

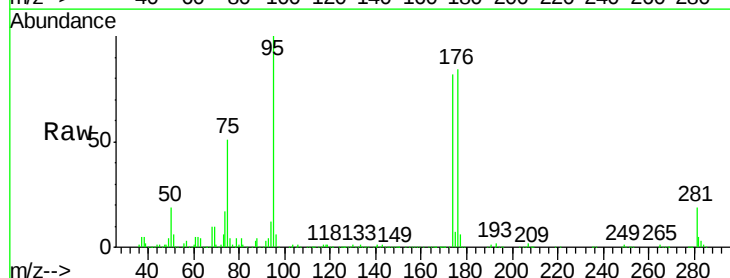
Tgt Ion: 95 Resp: 255772

Ion Ratio Lower Upper

95 100

174 81.9 0.0 157.6

176 80.2 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

200000

150000

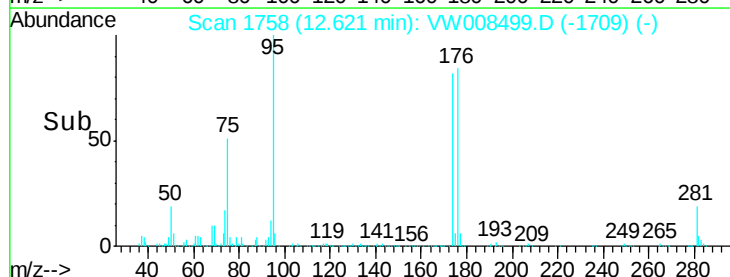
100000

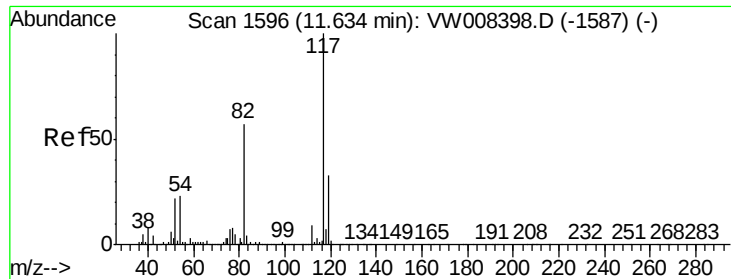
50000

0

Time-->

12.55 12.60 12.65 12.70





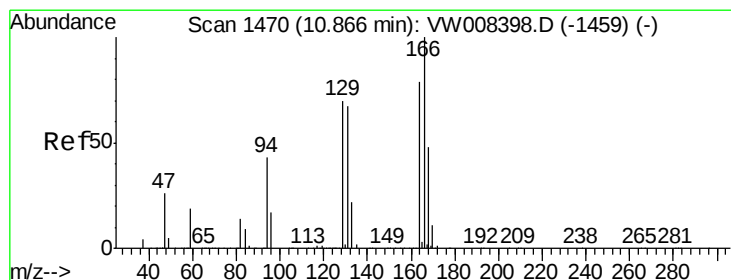
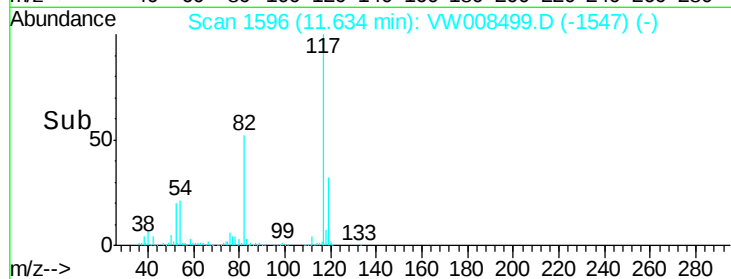
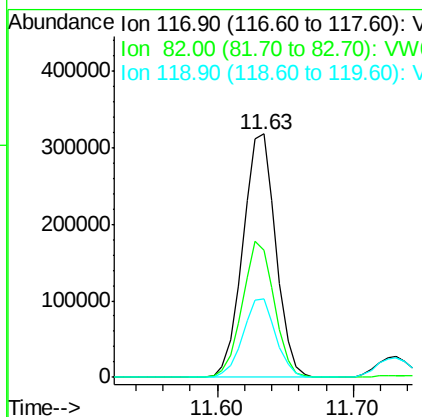
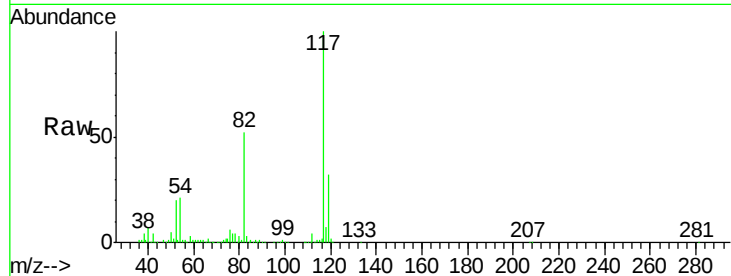
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	536373		
82	52.2		45.4	68.0
119	32.2		26.2	39.4

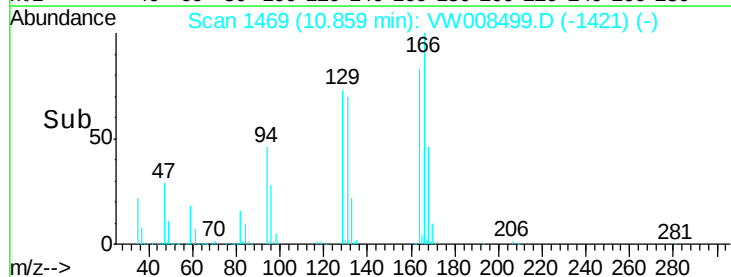
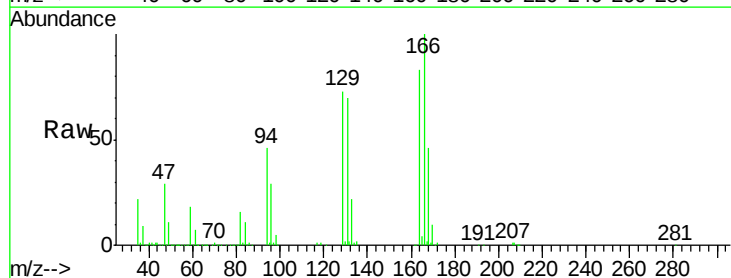
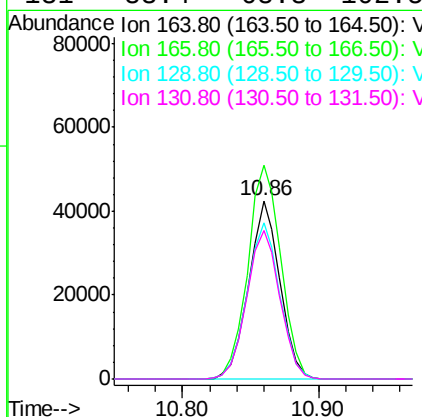
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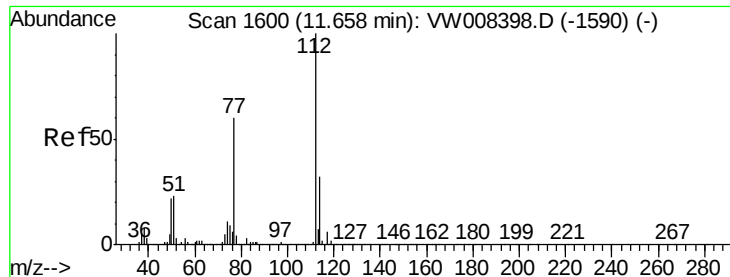
MMDadoda
2/5/2019 10:42:52 AM



#64
Tetrachloroethene
Concen: 18.871 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68532		
166	119.9		101.4	152.0
129	87.8		71.0	106.6
131	83.4		68.3	102.5





#65

Chlorobenzene

Concen: 17.854 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion:112 Resp: 195485

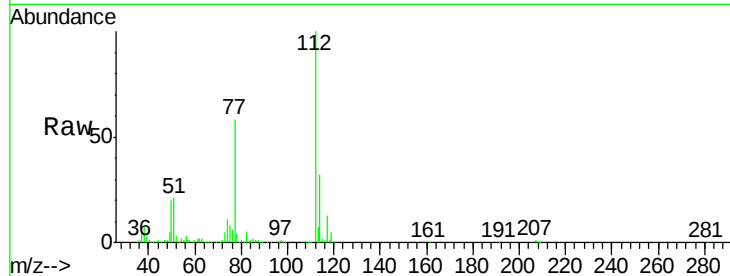
Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2

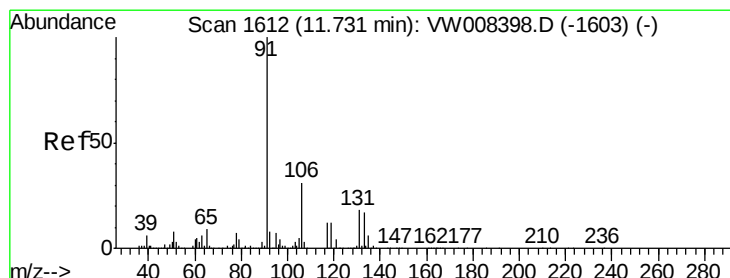
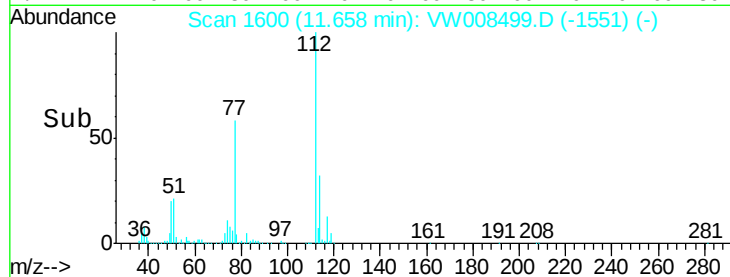
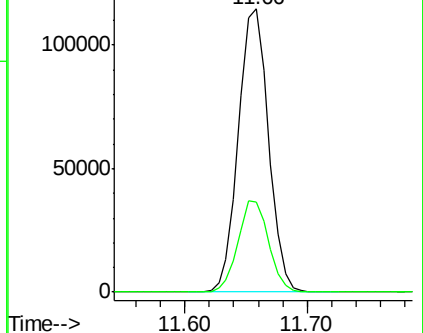
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.026 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

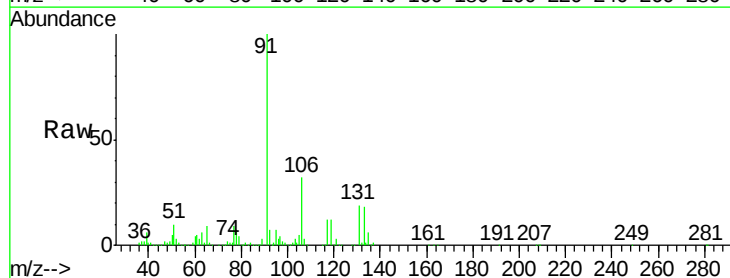
Tgt Ion:131 Resp: 70616

Ion Ratio Lower Upper

131 100

133 97.7 47.0 141.2

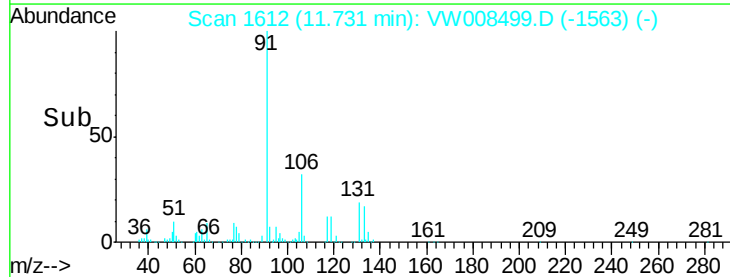
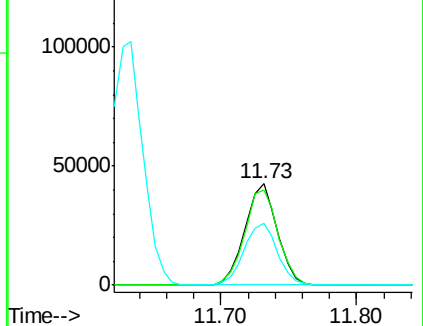
119 63.0 32.1 96.3

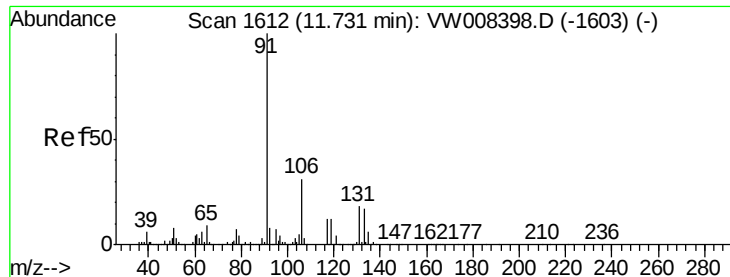


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





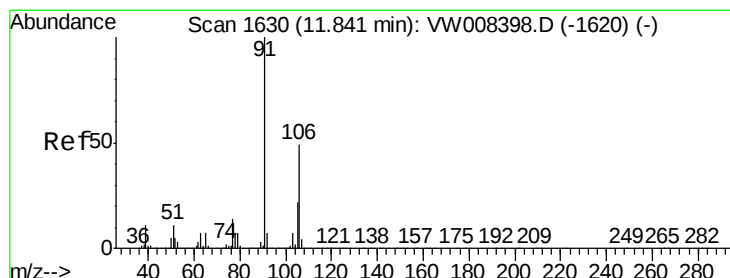
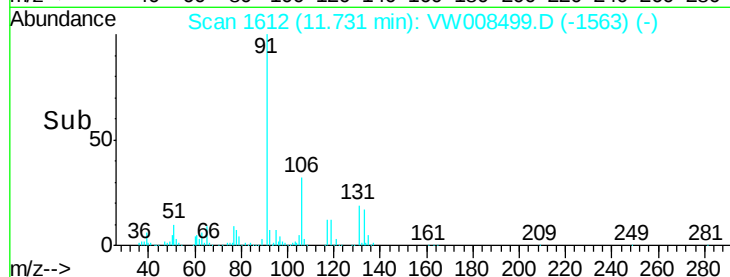
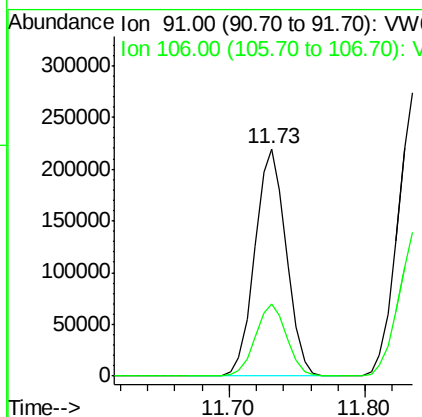
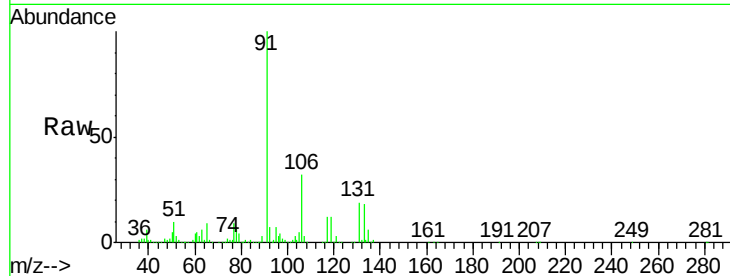
#67
Ethyl Benzene
Concen: 17.649 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion: 91 Resp: 355210
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1

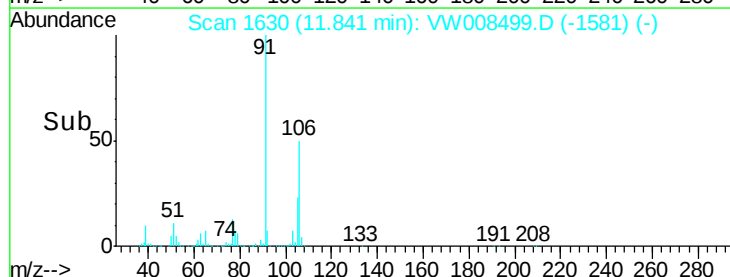
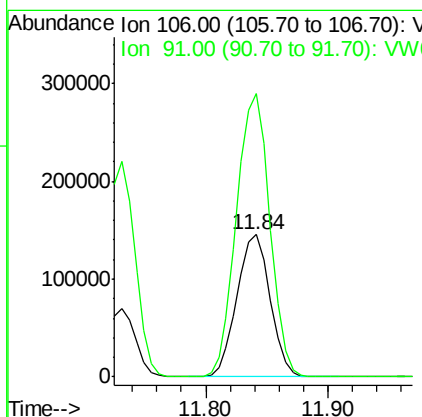
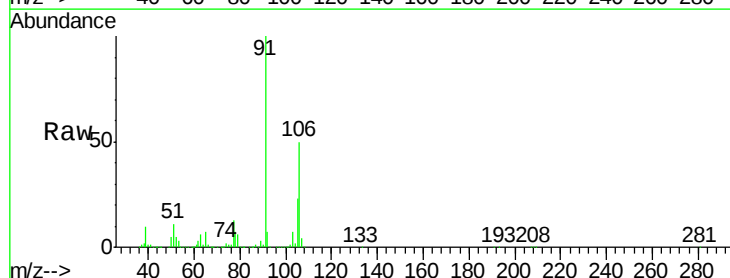
Manual Integrations
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#68
m/p-Xylenes
Concen: 35.236 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion: 106 Resp: 275156
Ion Ratio Lower Upper
106 100
91 199.3 162.9 244.3





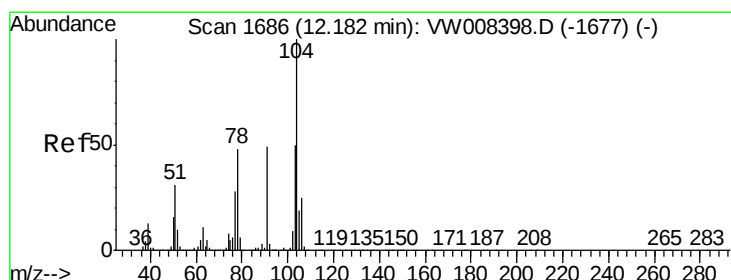
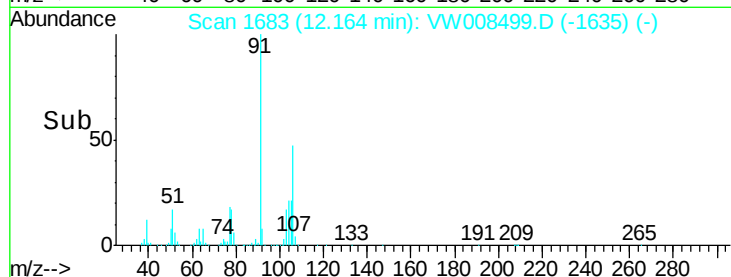
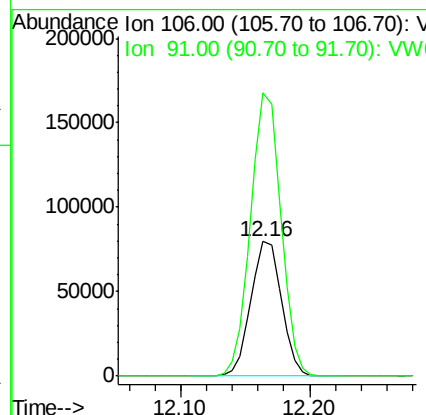
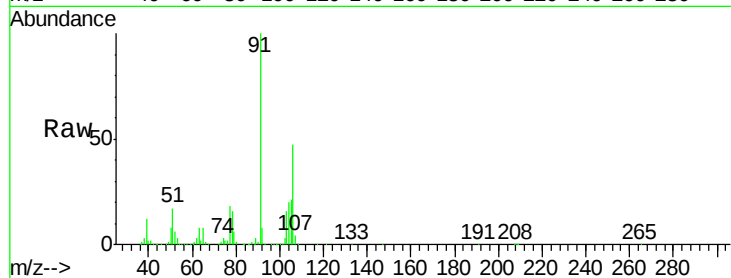
#69
o-Xylene
Concen: 17.656 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.6	107.5	322.4

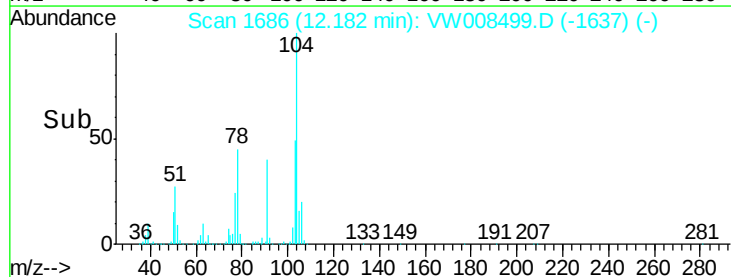
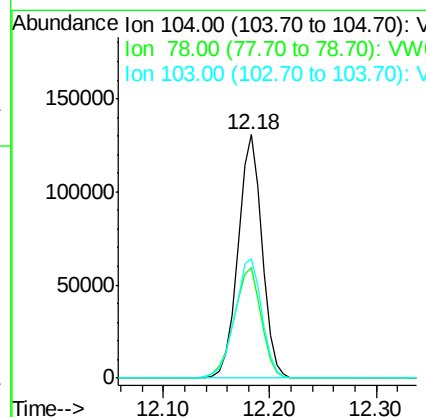
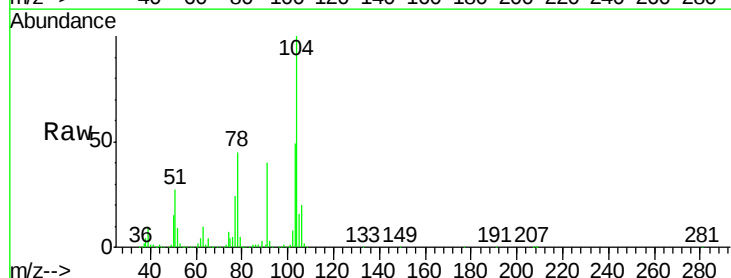
Manual Integrations
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2/5/2019 10:42:52 AM



#70
Styrene
Concen: 16.870 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.4	63.6
103	55.1	43.4	65.0





#71

Bromoform

Concen: 17.833 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

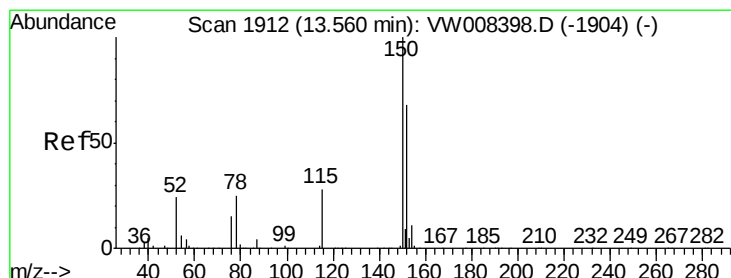
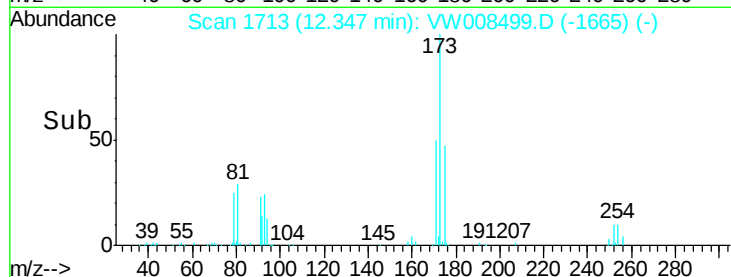
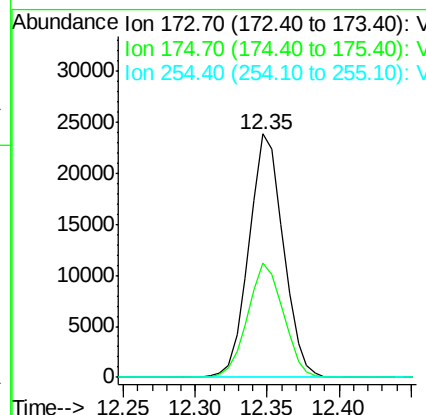
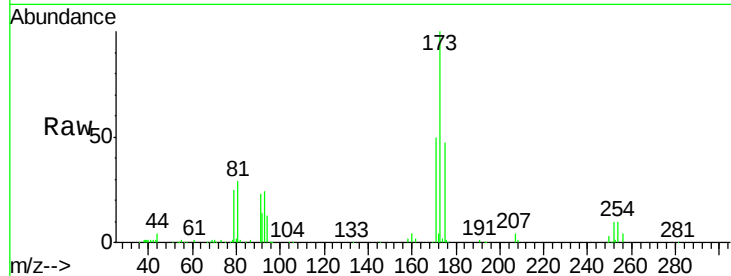
ClientSampleId :

VW0204SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.0	0.2	0.2

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2/5/2019 10:42:52 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

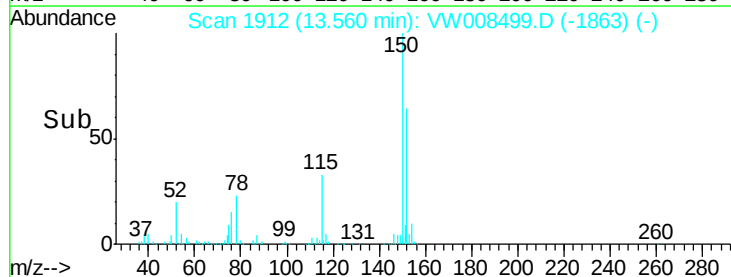
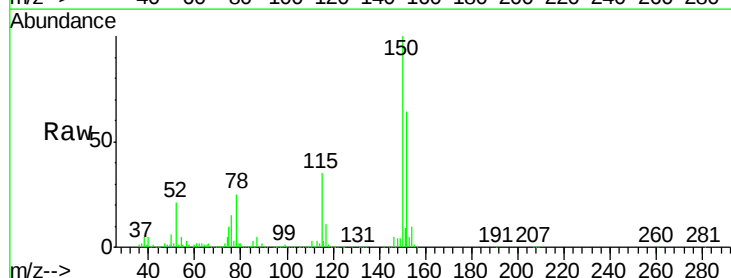
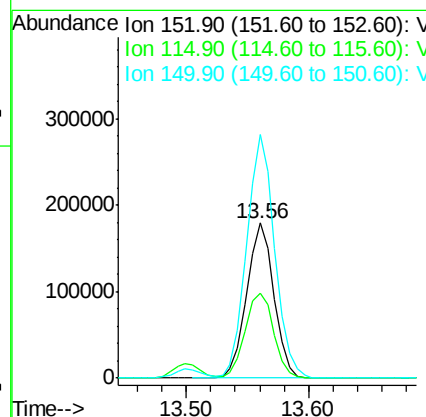
RT: 13.56 min Scan# 1912

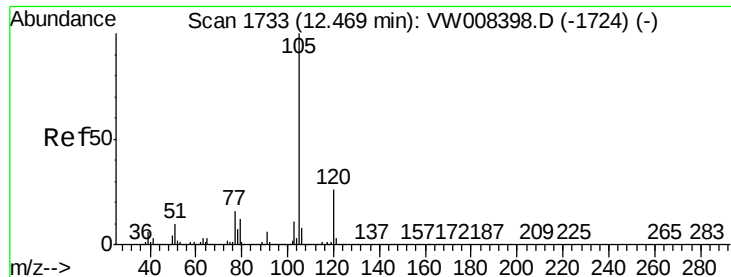
Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.9	89.7
150	162.1	0.0	351.4





#73

Isopropylbenzene

Concen: 17.441 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion: 105 Resp: 359372

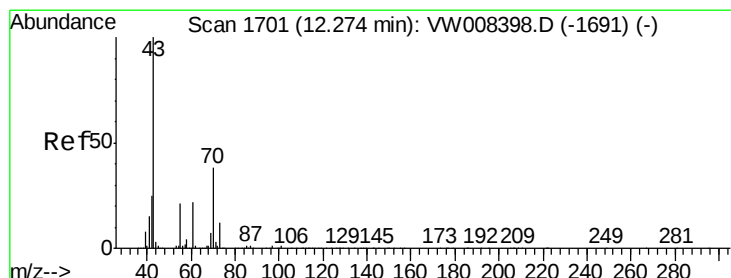
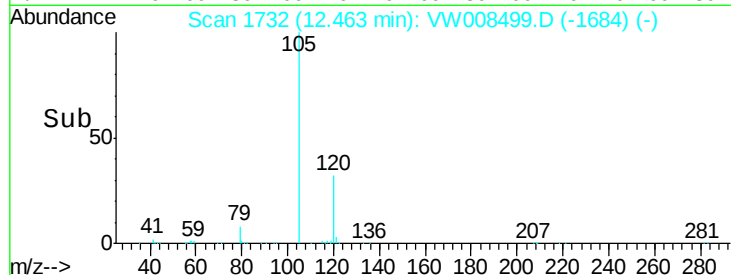
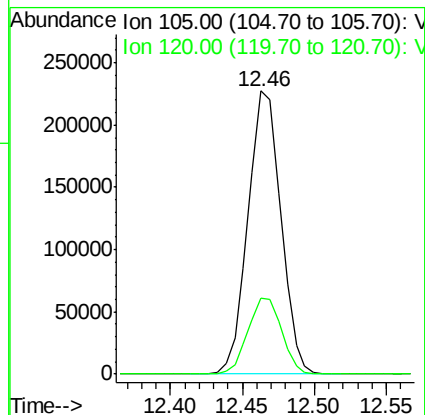
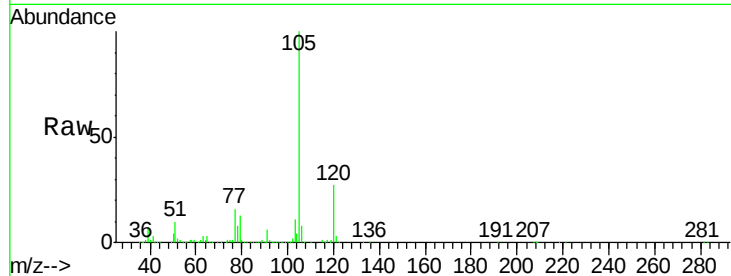
Ion Ratio Lower Upper

105 100

120 27.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 16.226 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion: 43 Resp: 86135

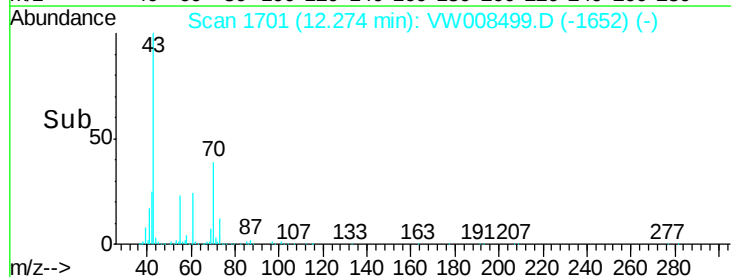
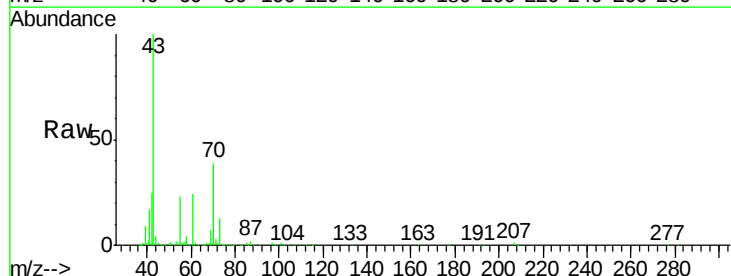
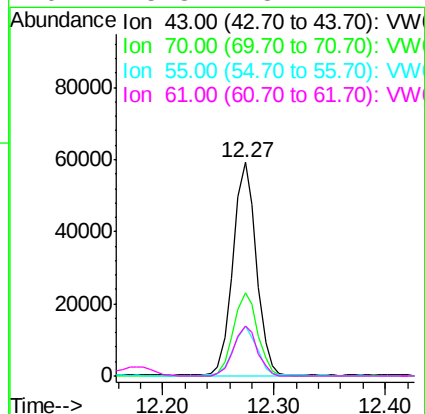
Ion Ratio Lower Upper

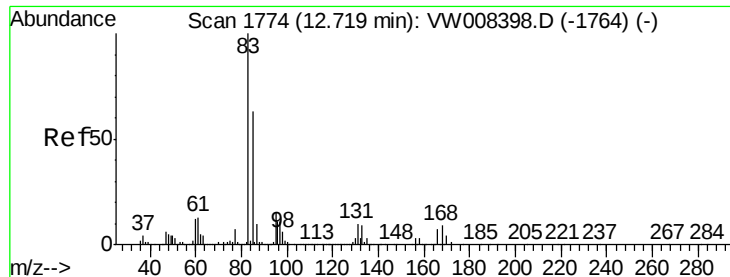
43 100

70 40.5 31.0 46.6

55 23.1 17.4 26.2

61 23.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.495 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

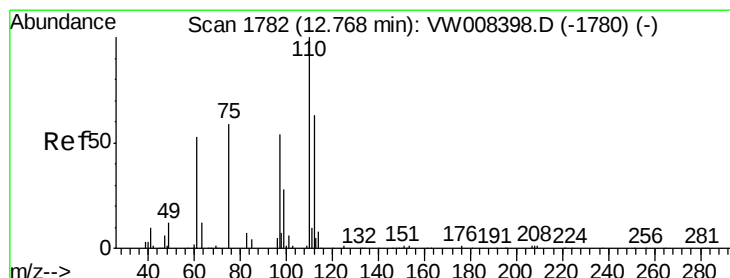
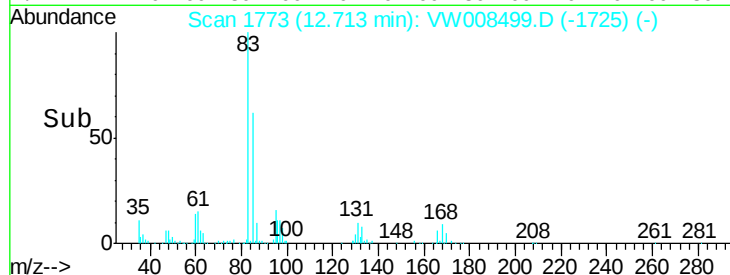
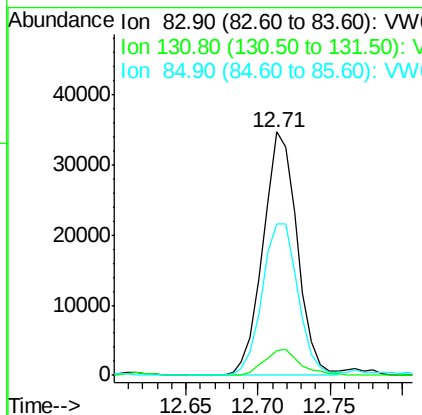
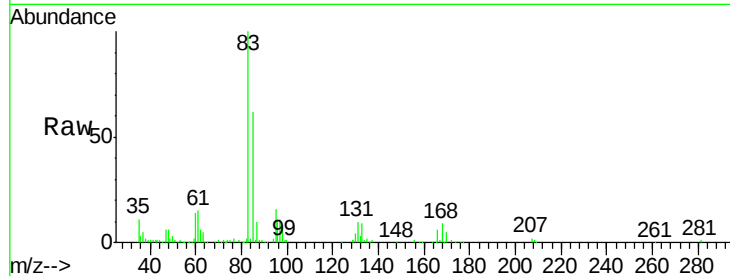
ClientSampleId :

VW0204SBS01

Tot Ion:	83	Resp:	57074
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	65.6	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.898 ug/l m

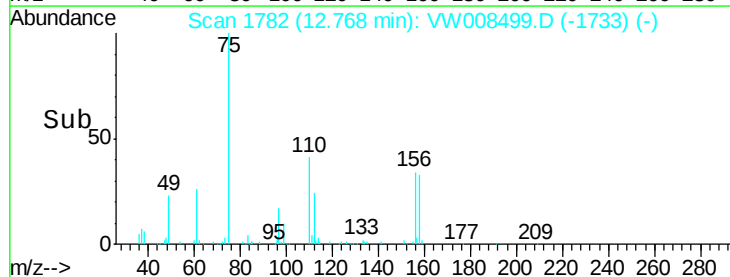
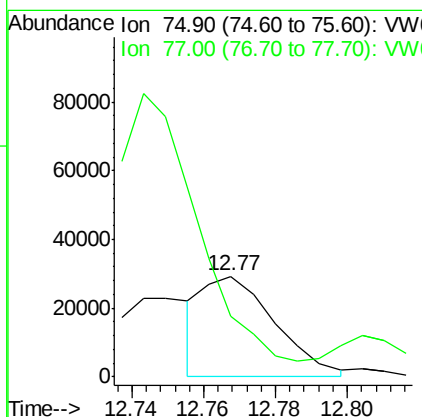
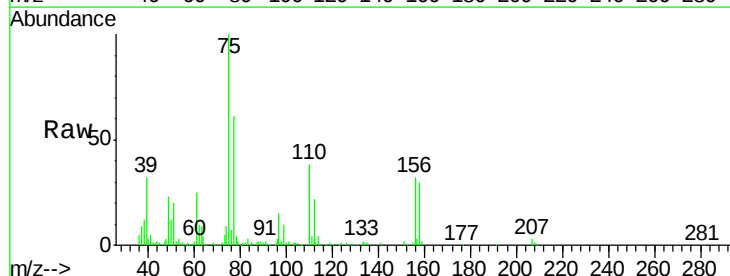
RT: 12.77 min Scan# 1782

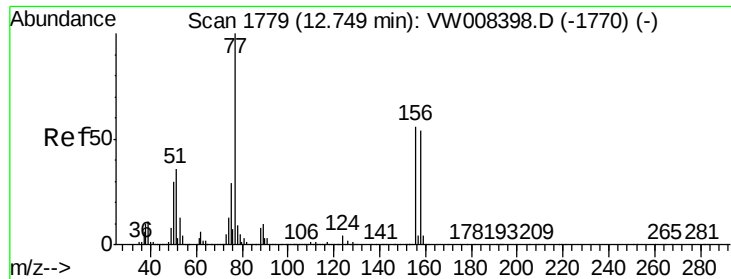
Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion:	75	Resp:	40607
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





#77

Bromobenzene

Concen: 18.600 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

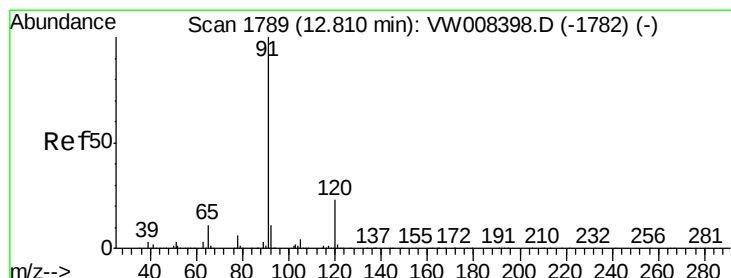
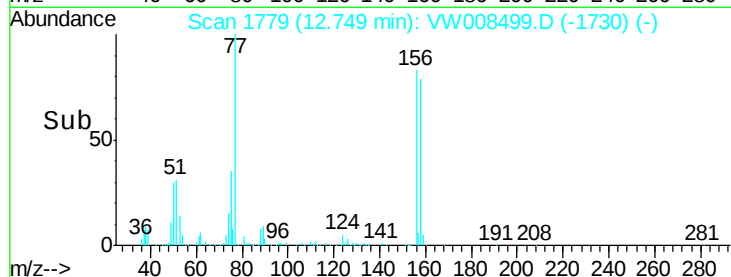
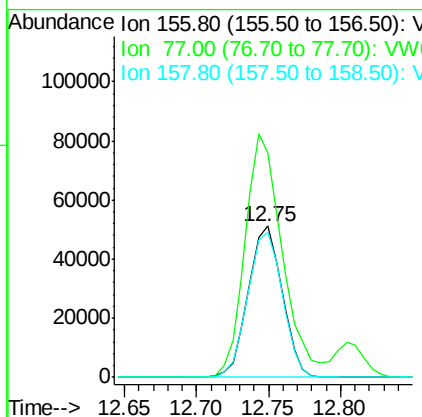
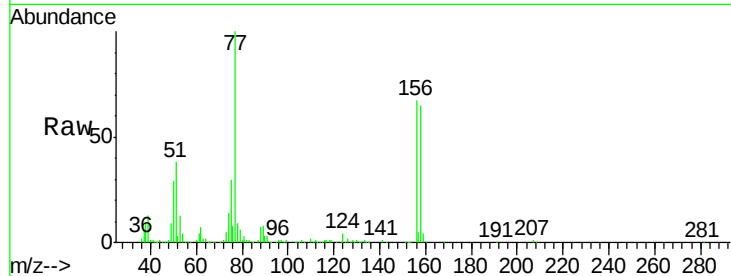
ClientSampled :

VW0204SBS01

Tot Ion:	156	Resp:	83699
Ion Ratio	Lower	Upper	
156	100		
77	175.8	96.9	290.7
158	97.4	48.8	146.4

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#78

n-propylbenzene

Concen: 17.208 ug/l

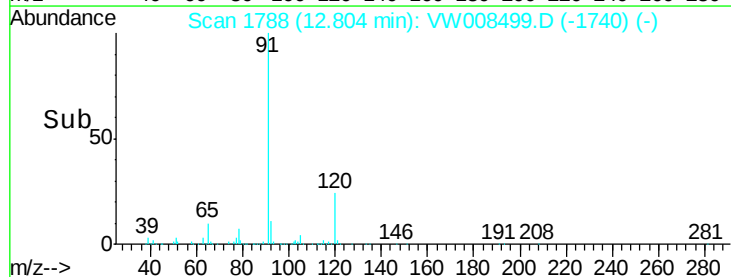
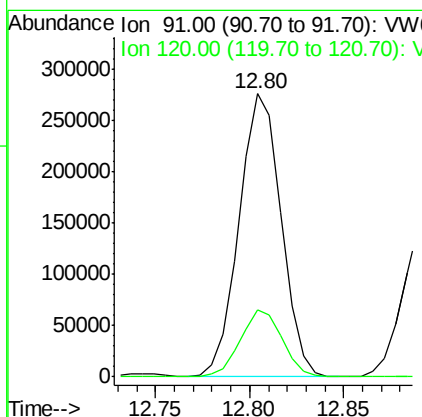
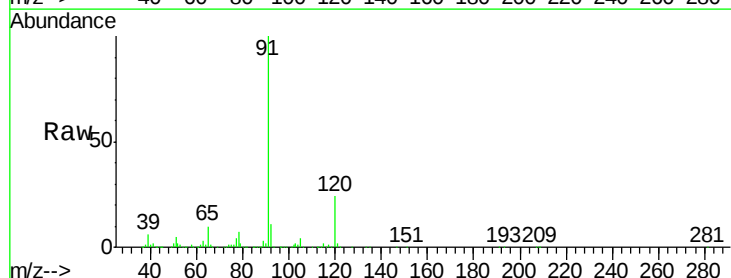
RT: 12.80 min Scan# 1788

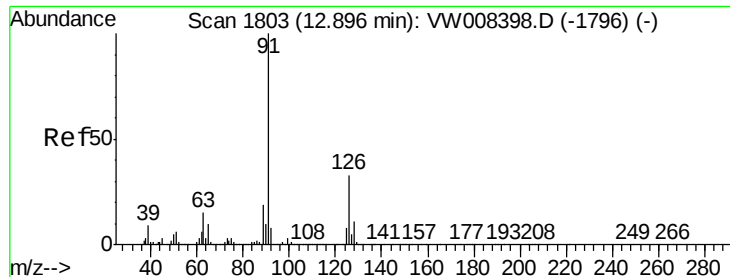
Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion:	91	Resp:	425862
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.020 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion: 91 Resp: 237691

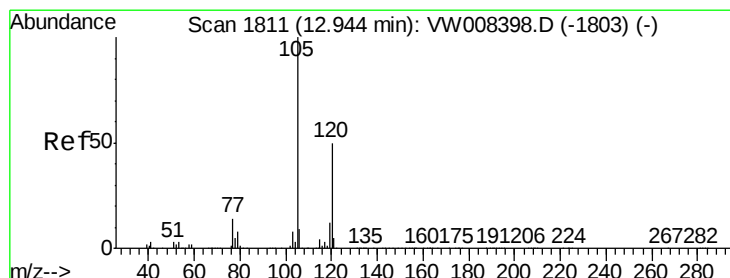
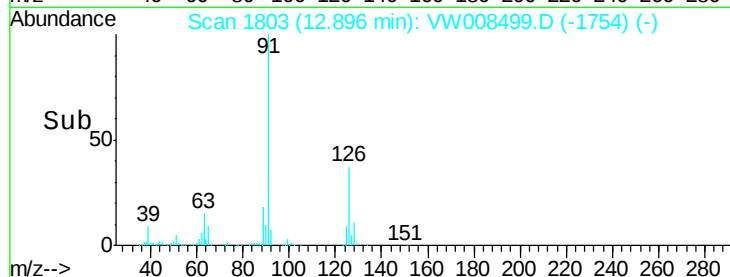
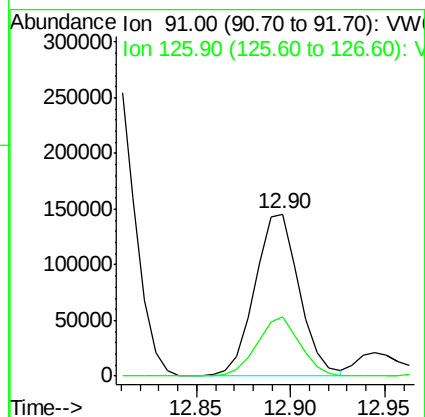
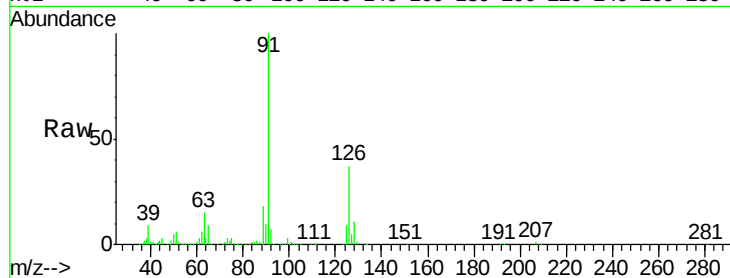
Ion Ratio Lower Upper

91 100

126 35.4 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 17.319 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008499.D

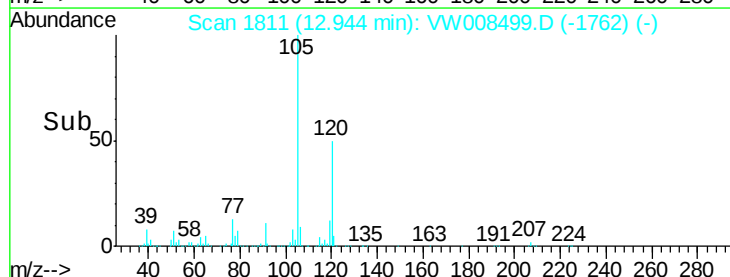
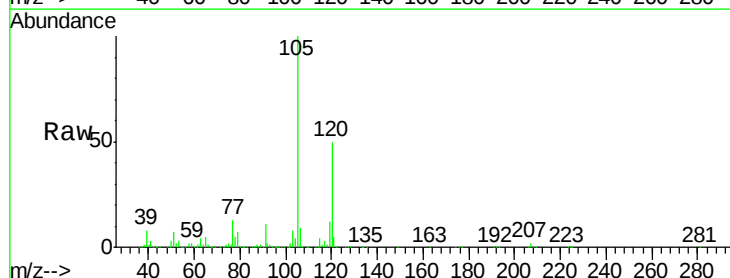
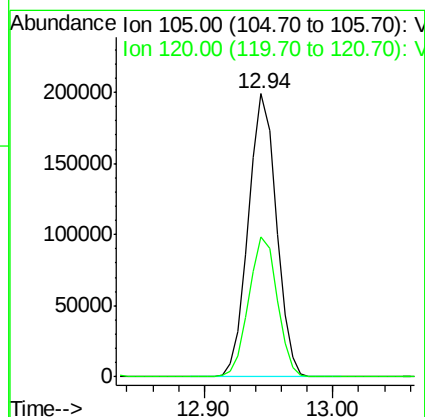
Acq: 04 Feb 2019 11:21

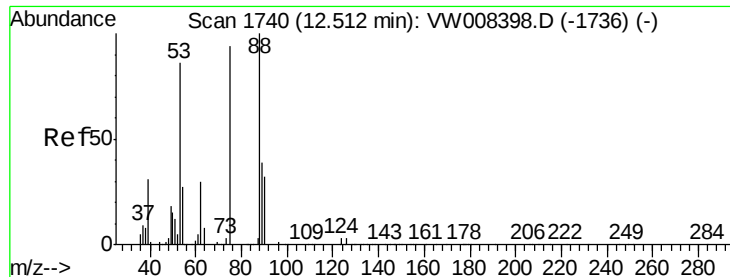
Tgt Ion: 105 Resp: 298287

Ion Ratio Lower Upper

105 100

120 50.5 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.415 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

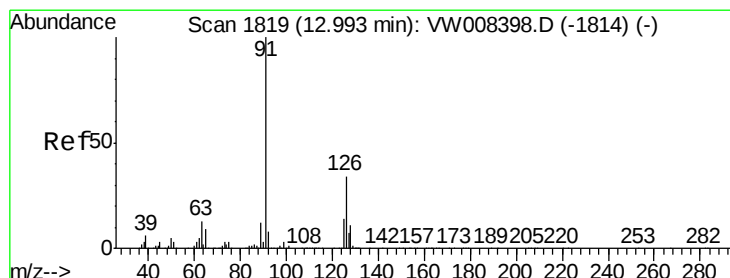
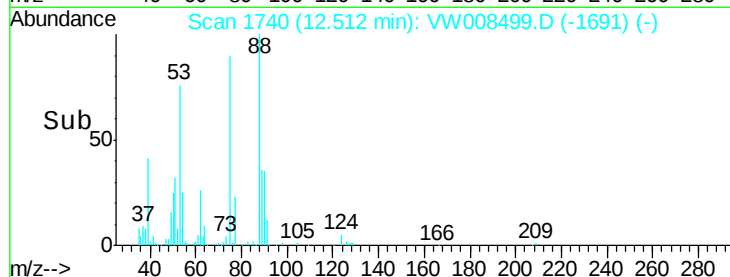
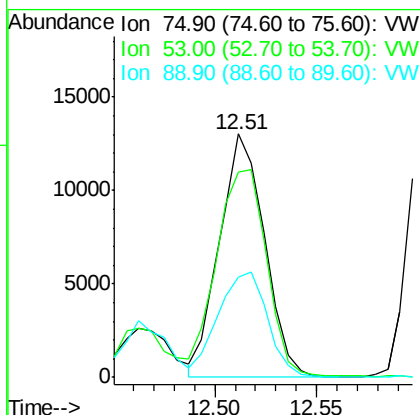
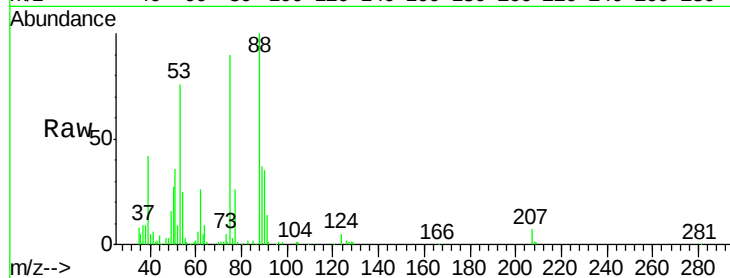
ClientSampleId :

VW0204SBS01

Tot Ion:	75	Resp:	19972
Ion Ratio	Lower	Upper	
75	100		
53	93.6	76.0	114.0
89	47.2	35.4	53.0

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#82

4-Chlorotoluene

Concen: 16.498 ug/l

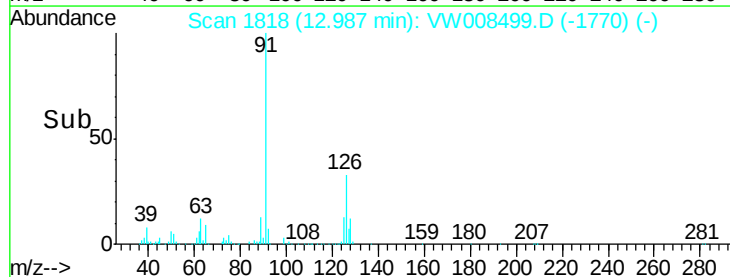
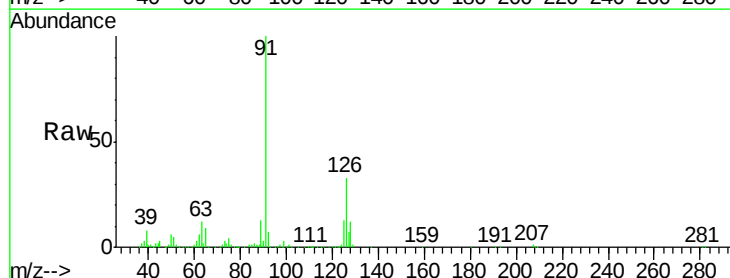
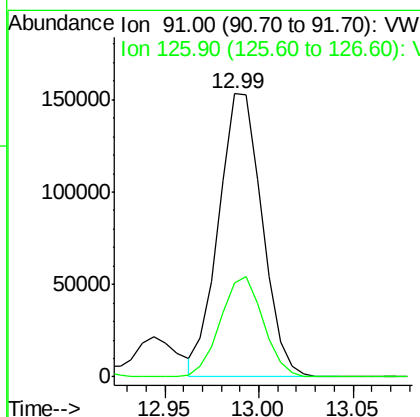
RT: 12.99 min Scan# 1818

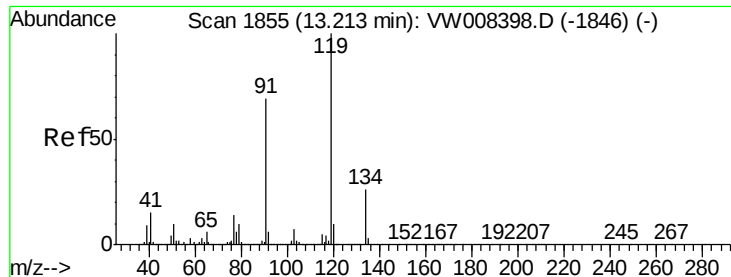
Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion:	91	Resp:	245297
Ion Ratio	Lower	Upper	
91	100		
126	35.1	16.4	49.2





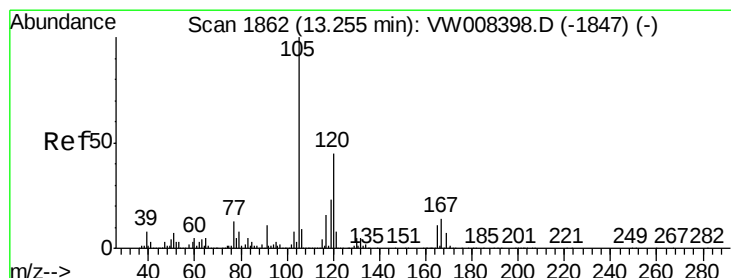
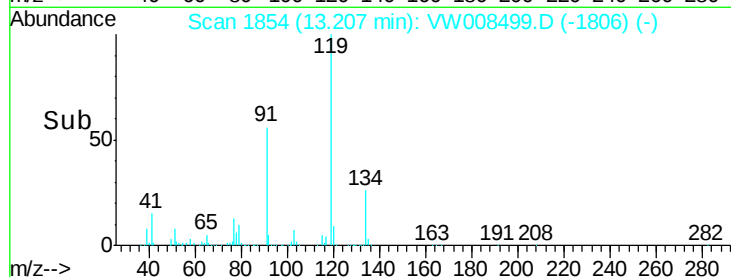
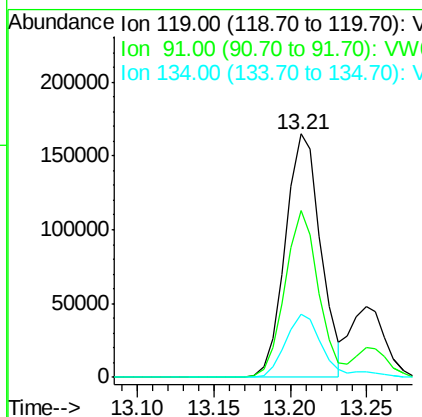
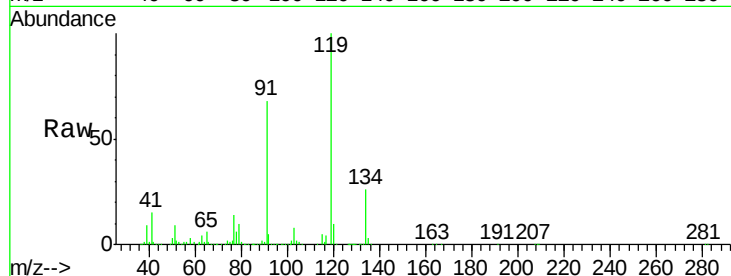
#83
tert-Butylbenzene
Concen: 17.216 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	263850		
91	66.1	33.8	101.4	
134	27.8	13.5	40.4	

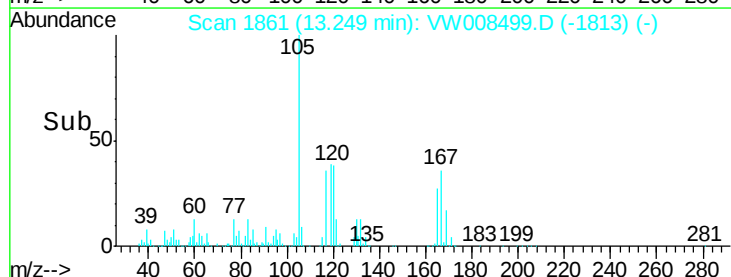
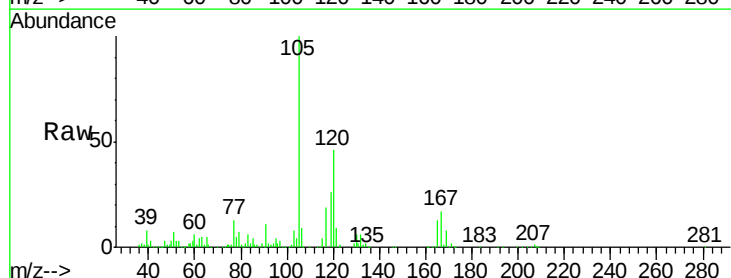
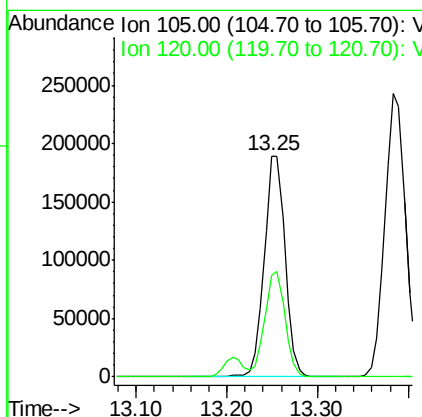
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 17.299 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302823		
120	46.6	23.1	69.2	





#85

sec-Butylbenzene

Concen: 17.418 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VW0204SBS01

Tot Ion:105 Resp: 381252

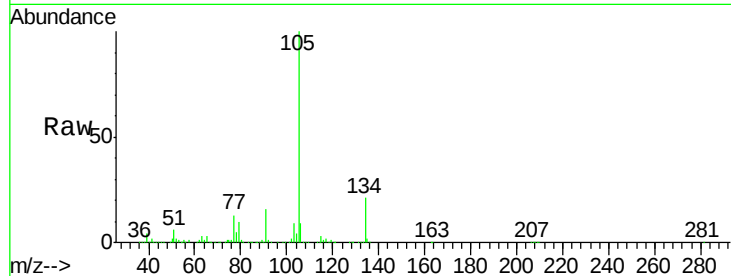
Ion Ratio Lower Upper

105 100

134 21.1 10.2 30.6

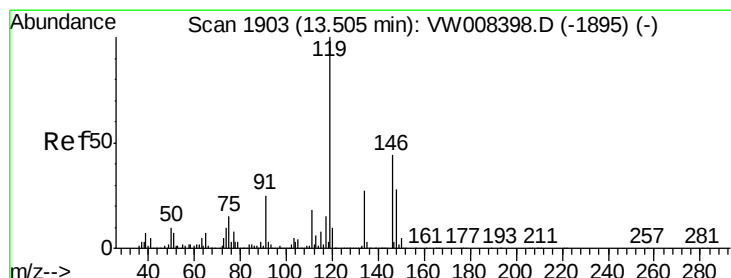
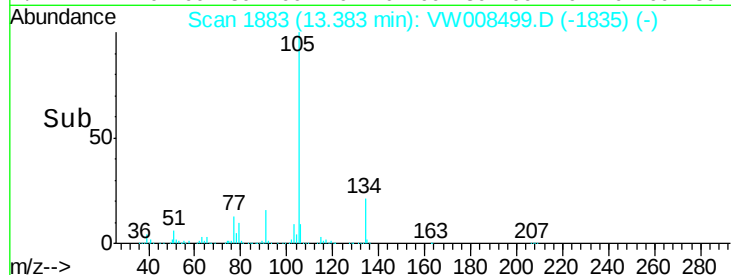
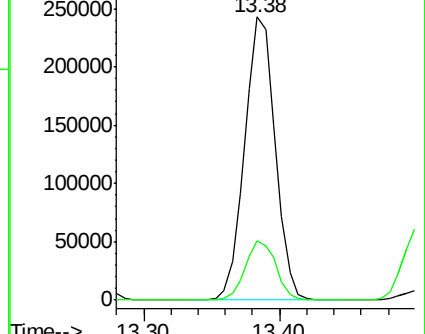
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.696 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

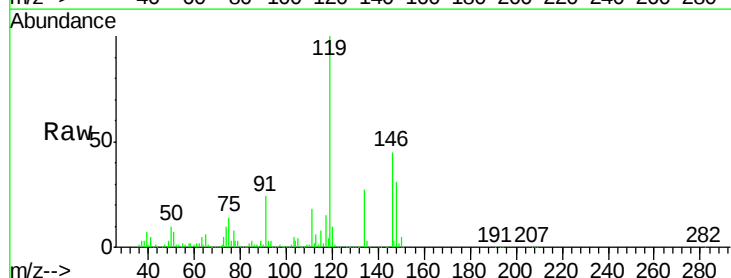
Tgt Ion:119 Resp: 339268

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

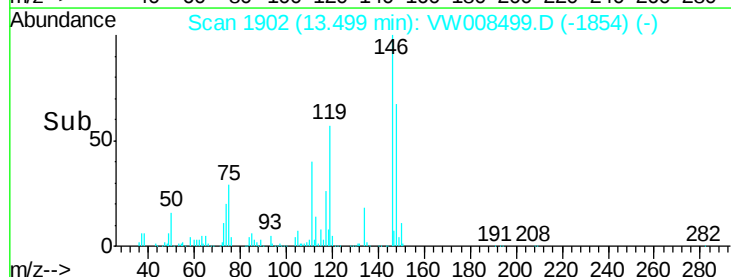
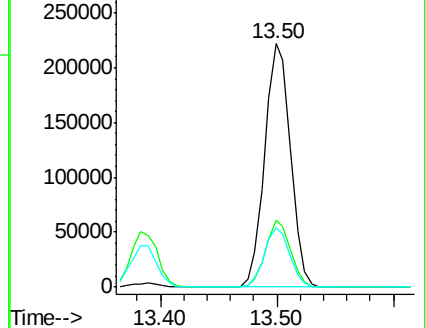
91 23.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.071 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

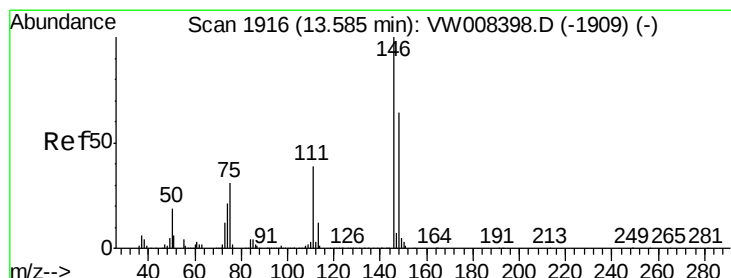
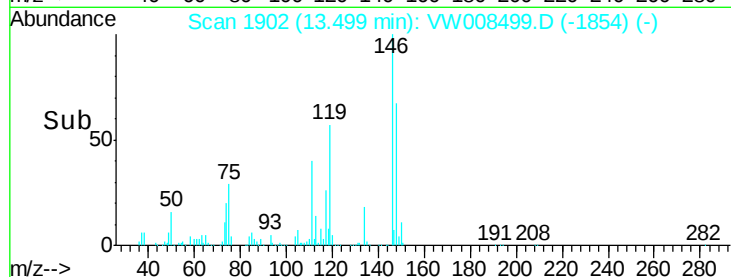
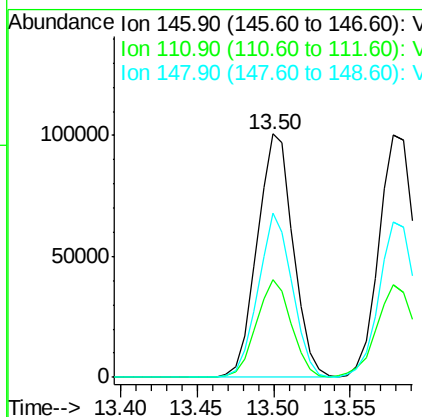
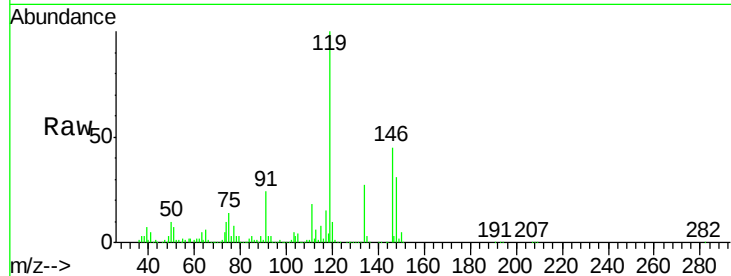
Instrument :
MSVOA_W

ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.1	20.3	60.9
148	64.2	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.182 ug/l

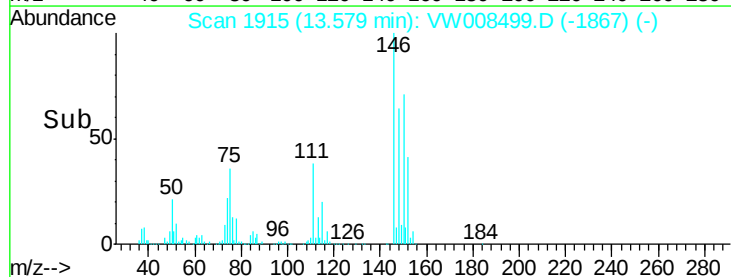
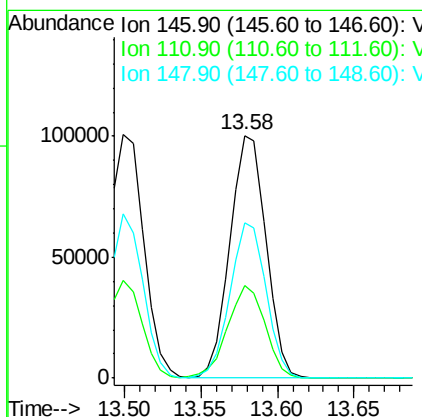
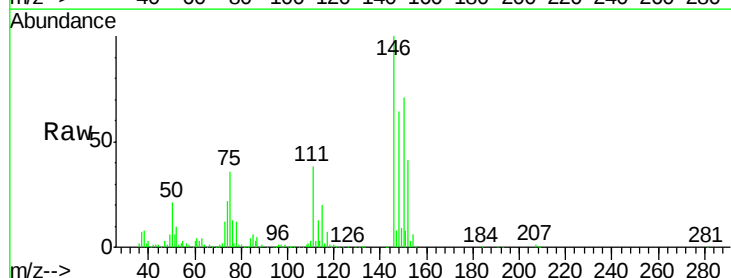
RT: 13.58 min Scan# 1915

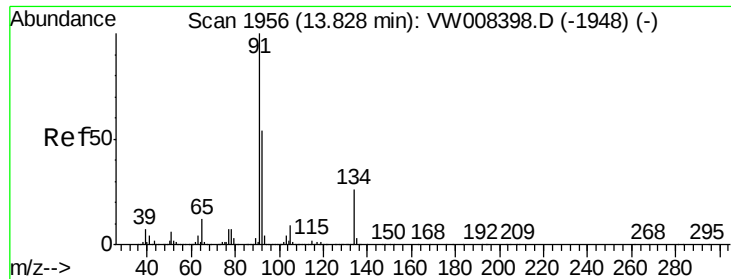
Delta R.T. -0.01 min

Lab File: VW008499.D

Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.7	20.0	60.0
148	64.1	32.0	96.2





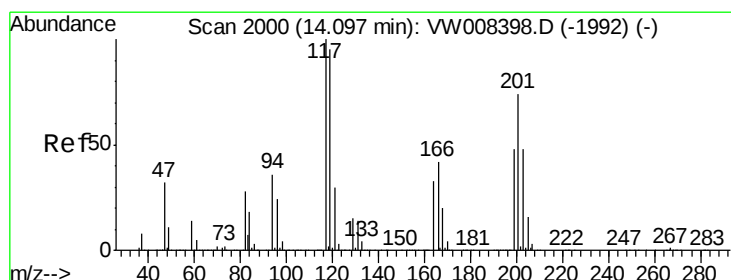
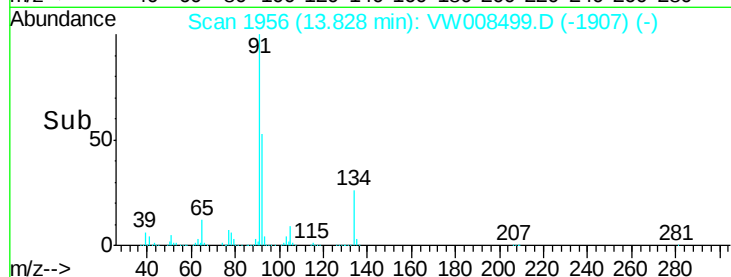
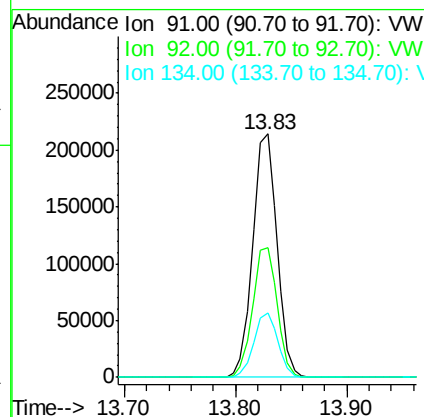
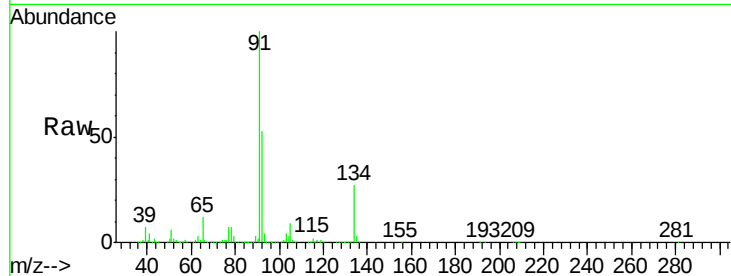
#89
n-Butylbenzene
Concen: 17.270 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.4	82.2
134	26.5	13.0	39.0

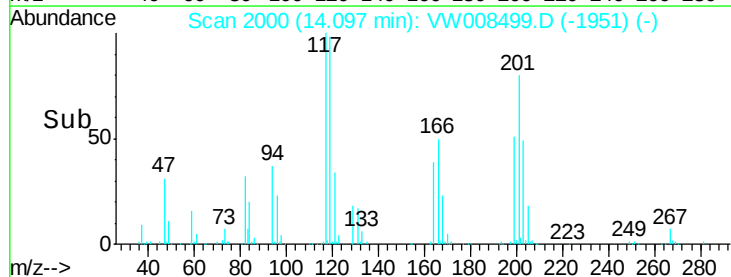
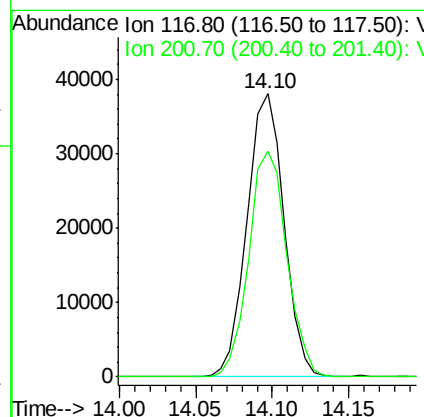
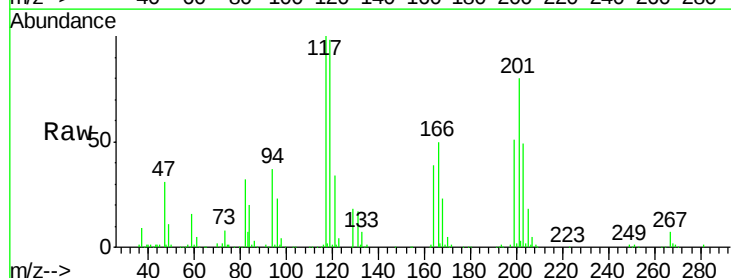
Manual Integrations
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#90
Hexachloroethane
Concen: 17.096 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	39.1	117.5





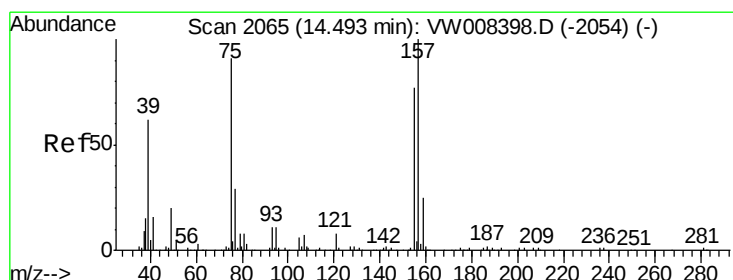
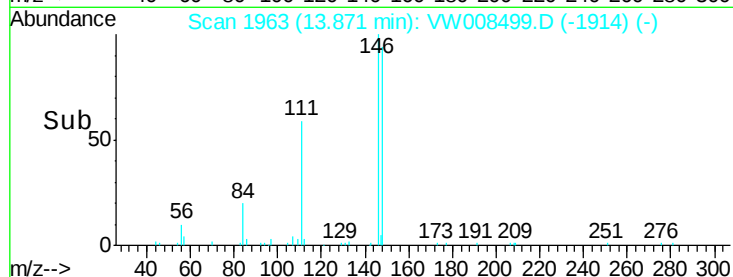
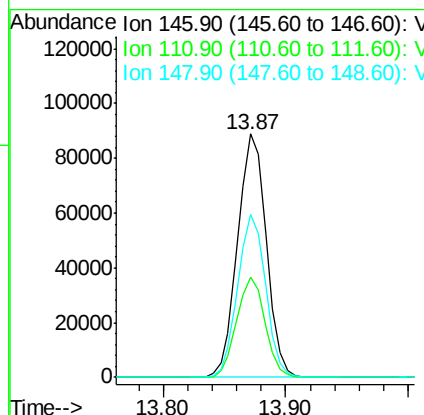
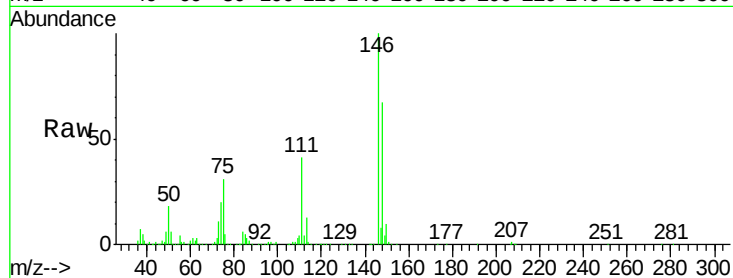
#91
 1,2-Dichlorobenzene
 Concen: 17.950 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	144345		
111	40.5	21.1	63.3	
148	65.0	31.9	95.5	

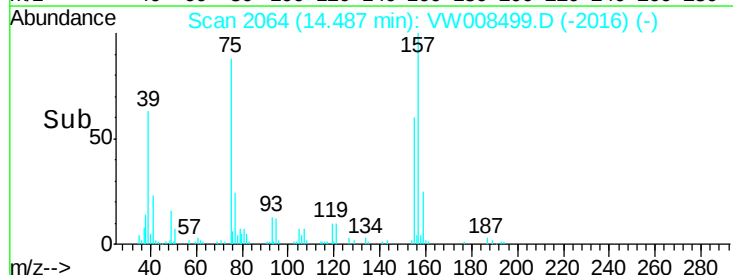
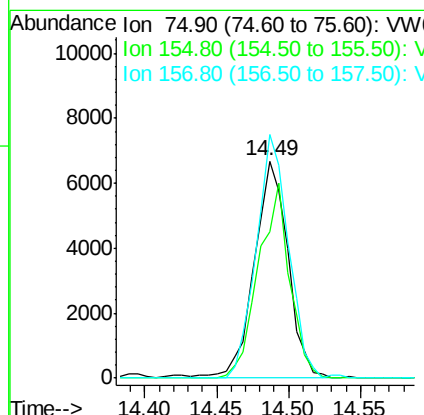
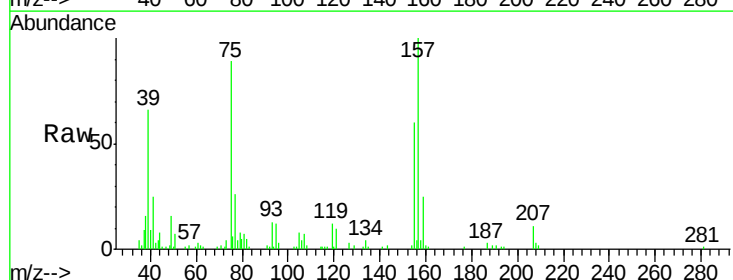
Manual Integrations
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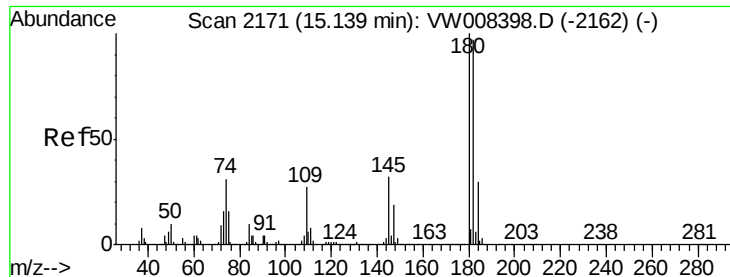
MMDadoda
 2/5/2019 10:42:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.371 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10752		
155	83.1	42.7	128.1	
157	108.1	55.5	166.3	





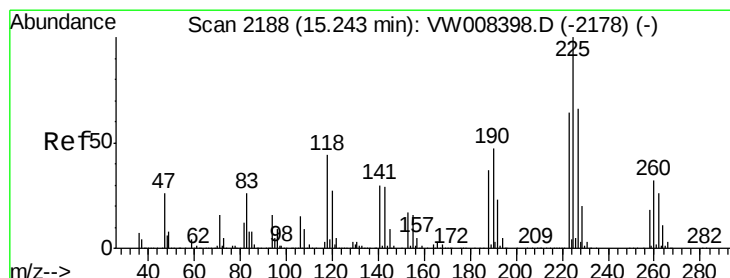
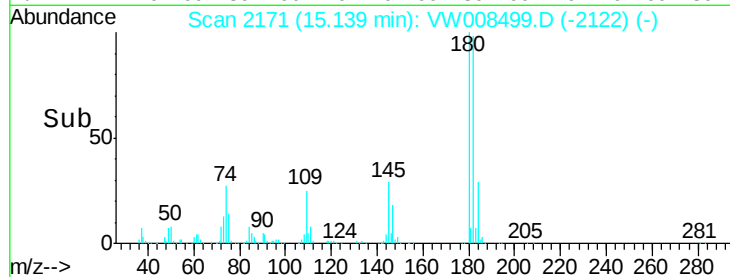
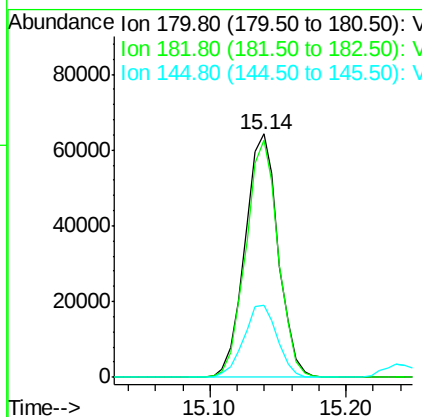
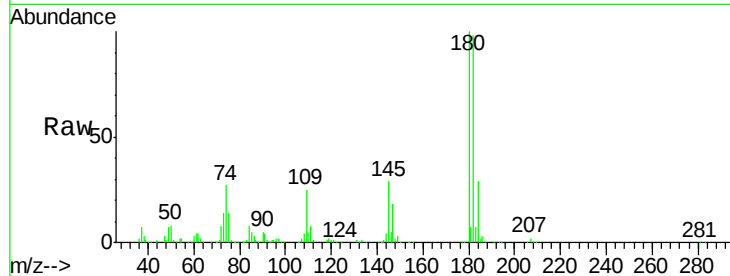
#93
 1,2,4-Trichlorobenzene
 Concen: 19.126 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109755		
182	95.1	47.9	143.7	
145	30.2	15.5	46.5	

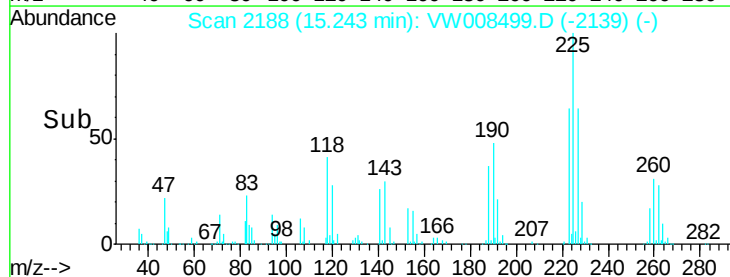
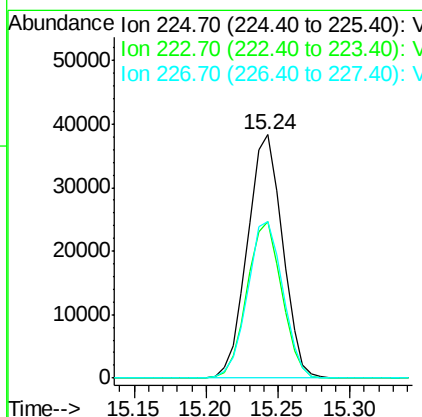
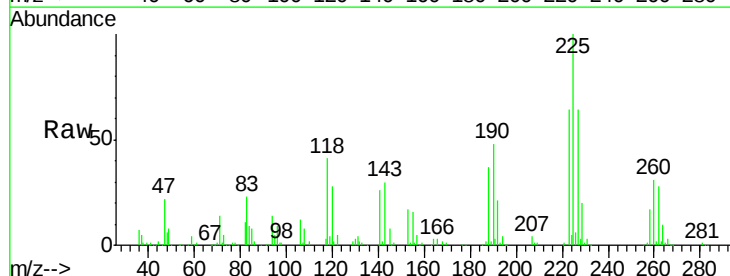
Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:42:52 AM



#94
 Hexachlorobutadiene
 Concen: 18.664 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008499.D
 Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64546		
223	63.5	31.7	95.1	
227	64.8	32.1	96.3	





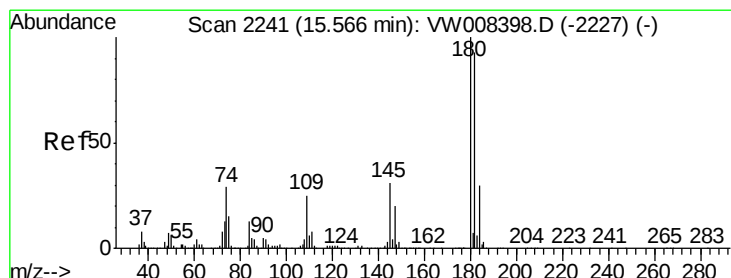
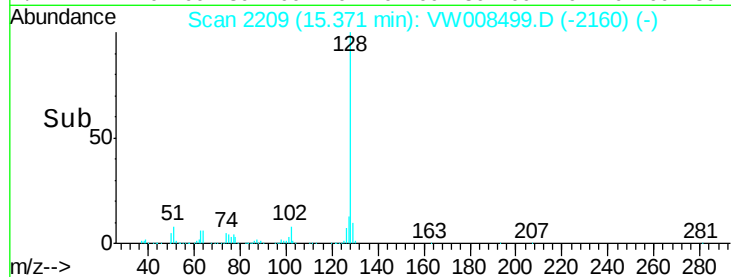
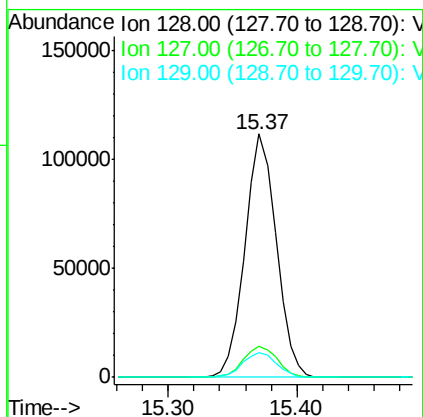
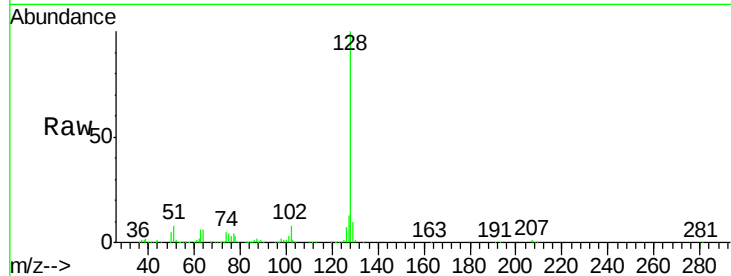
#95
Naphthalene
Concen: 18.626 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	187669		
127	13.5	10.6	15.8	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:42:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.058 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008499.D
Acq: 04 Feb 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92771		
182	94.7	47.0	141.2	
145	31.7	15.9	47.6	

