

Data File : VW009018.D
Acq On : 06 Mar 2019 15:30
Operator : SY/VA
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 AM

Quant Time: Mar 07 07:34:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:22:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	322460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	453201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	435858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	239145	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	149261	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	7.88	113	138224	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.32	98	614197	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
62) 4-Bromofluorobenzene	12.62	95	227443	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	152692	47.667	ug/l	98
3) Chloromethane	2.21	50	200751	49.755	ug/l	98
4) Vinyl Chloride	2.35	62	203405	50.307	ug/l	98
5) Bromomethane	2.77	94	159816	45.011	ug/l	100
6) Chloroethane	2.92	64	143850	50.178	ug/l	95
7) Trichlorofluoromethane	3.26	101	254950	48.951	ug/l	98
8) Diethyl Ether	3.68	74	72237	44.431	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	154271	47.733	ug/l	98
10) Methyl Iodide	4.27	142	188046	50.702	ug/l	100
11) Tert butyl alcohol	5.18	59	46255	199.455	ug/l	99
12) 1,1-Dichloroethene	4.04	96	138677	49.242	ug/l	97
13) Acrolein	3.89	56	49218	185.537	ug/l	99
14) Allyl chloride	4.67	41	246773	50.683	ug/l	100
15) Acrylonitrile	5.37	53	149600	214.930	ug/l	99
16) Acetone	4.13	43	163126	245.503	ug/l	98
17) Carbon Disulfide	4.38	76	471883	49.997	ug/l	99
18) Methyl Acetate	4.67	43	66928	44.184	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	325291	44.619	ug/l	98
20) Methylene Chloride	4.92	84	154766	45.507	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	157318	48.836	ug/l	95
22) Diisopropyl ether	6.31	45	470785	48.422	ug/l	98
23) Vinyl Acetate	6.26	43	1383117	228.411	ug/l	100
24) 1,1-Dichloroethane	6.21	63	271812	48.082	ug/l	97
25) 2-Butanone	7.17	43	204805	216.670	ug/l	98
26) 2,2-Dichloropropane	7.17	77	260545	50.384	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	165141	48.696	ug/l	98
28) Bromochloromethane	7.51	49	110744	45.129	ug/l	98
29) Tetrahydrofuran	7.52	42	122611	206.474	ug/l	99
30) Chloroform	7.67	83	277367	47.921	ug/l	99
31) Cyclohexane	7.95	56	280105	48.182	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	267528	50.322	ug/l	99
36) 1,1-Dichloropropene	8.08	75	232977	51.700	ug/l	99
37) Ethyl Acetate	7.25	43	87904	44.102	ug/l	98
38) Carbon Tetrachloride	8.07	117	241331	51.751	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	295780	54.333	ug/l	99
40) Benzene	8.32	78	618958	50.923	ug/l	98
41) Methacrylonitrile	7.48	41	52261	44.204	ug/l	95
42) 1,2-Dichloroethane	8.40	62	178835	45.842	ug/l	99
43) Isopropyl Acetate	8.43	43	173496	44.279	ug/l	99
44) Trichloroethene	9.09	130	169509	50.015	ug/l	98
45) 1,2-Dichloropropane	9.37	63	147619	48.990	ug/l	98
46) Dibromomethane	9.46	93	75269	45.279	ug/l	98
47) Bromodichloromethane	9.64	83	201461	48.343	ug/l	97
48) Methyl methacrylate	9.43	41	82873	44.761	ug/l	94
49) 1,4-Dioxane	9.46	88	21832	960.704	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	450054	227.138	ug/l	99
52) Toluene	10.39	92	436966	53.254	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	200497	48.501	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	237657	50.360	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	103786	45.967	ug/l	98
56) Ethyl methacrylate	10.65	69	139385	49.908	ug/l	99
57) 1,3-Dichloropropane	10.93	76	184814	46.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	328512	221.674	ug/l	100
59) 2-Hexanone	10.97	43	341251	244.986	ug/l	97
60) Dibromochloromethane	11.13	129	129960	47.389	ug/l	100
61) 1,2-Dibromoethane	11.24	107	101476	47.418	ug/l	99
64) Tetrachloroethene	10.86	164	156901	52.136	ug/l	99
65) Chlorobenzene	11.66	112	468611	51.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	150766	49.623	ug/l	99
67) Ethyl Benzene	11.73	91	883330	53.852	ug/l	99
68) m/p-Xylenes	11.84	106	692245	106.955	ug/l	99
69) o-Xylene	12.16	106	320313	53.014	ug/l	98
70) Styrene	12.18	104	520759	53.204	ug/l	99
71) Bromoform	12.35	173	74704	46.147	ug/l	96
73) Isopropylbenzene	12.46	105	911049	55.656	ug/l	100
74) N-amyl acetate	12.27	43	193272	44.914	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117582	46.053	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	86930m	45.865	ug/l	
77) Bromobenzene	12.75	156	195400	52.730	ug/l	99
78) n-propylbenzene	12.80	91	1126795	56.071	ug/l	100
79) 2-Chlorotoluene	12.90	91	616576	54.339	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	768748	54.723	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39295	45.380	ug/l	99
82) 4-Chlorotoluene	12.99	91	654075	54.192	ug/l	100
83) tert-Butylbenzene	13.21	119	690059	57.009	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	777967	54.095	ug/l	99
85) sec-Butylbenzene	13.38	105	991827	56.170	ug/l	99
86) p-Isopropyltoluene	13.50	119	875370	55.078	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	413729	52.152	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	409371	52.029	ug/l	99
89) n-Butylbenzene	13.83	91	847704	56.338	ug/l	99
90) Hexachloroethane	14.10	117	149475	54.898	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	355660	51.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21436	45.935	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030619\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	244220	51.384	ug/l	99
94) Hexachlorobutadiene	15.24	225	156523	51.811	ug/l	98
95) Naphthalene	15.37	128	381785	49.543	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	205313	49.894	ug/l	99

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

Data File : VW009018.D

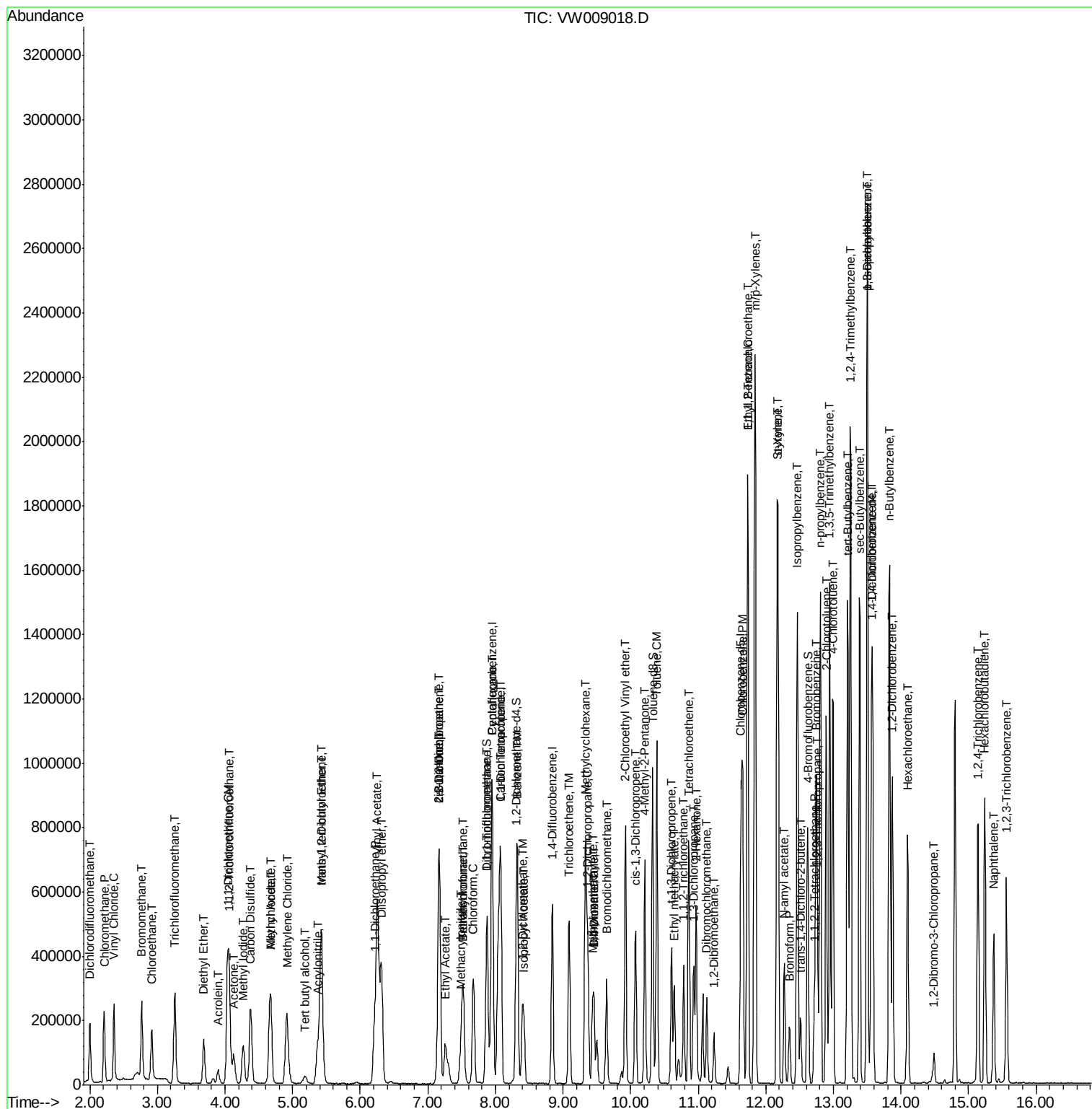
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Acq On       : 06 Mar 2019   15:30
Operator    : SY/VA
Sample      : VSTDICV050
Misc       : 5.00G/5ML/MSV0A_W/SOIL
ALS Vial    : 9      Sample Multiplier: 1
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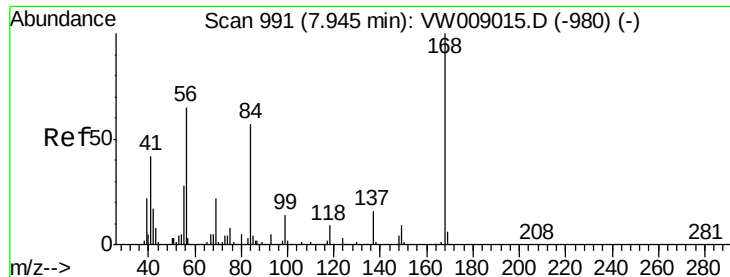
Instrument :
MSVOA_W
ClientSampleId :
ICVVW030619

Manual Integrations

MMDadoda
3/8/2019 12:07:10 AM

Quant Time: Mar 07 07:34:44 2019
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 168 Resp: 322460

Ion Ratio Lower Upper

168 100

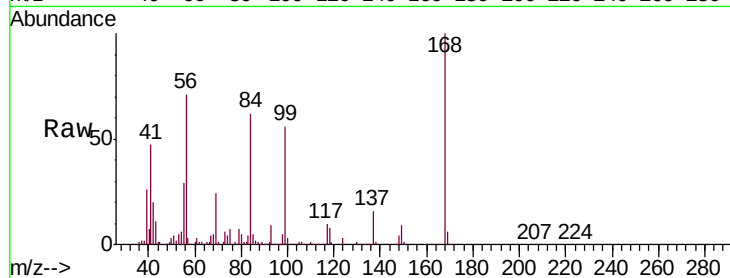
99 55.7 43.5 65.3

Manual Integrations

APPROVED

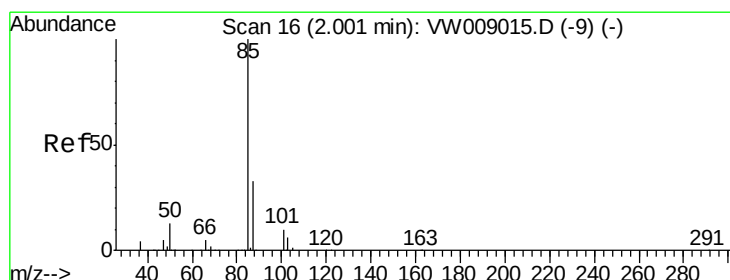
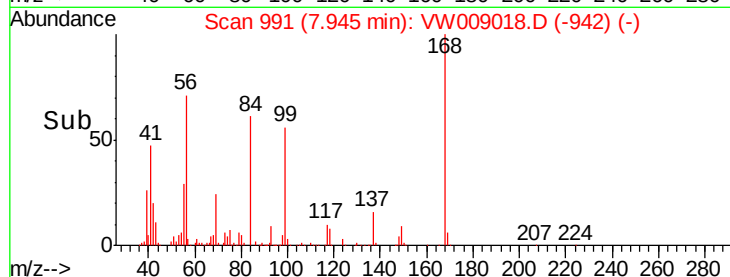
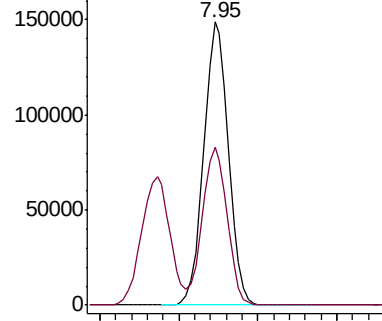
MMDadoda

3/8/2019 12:07:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.667 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW009018.D

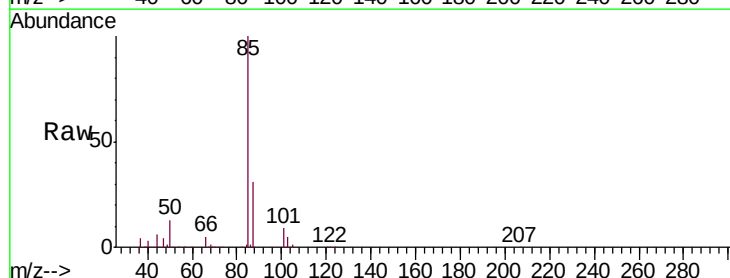
Acq: 06 Mar 2019 15:30

Tgt Ion: 85 Resp: 152692

Ion Ratio Lower Upper

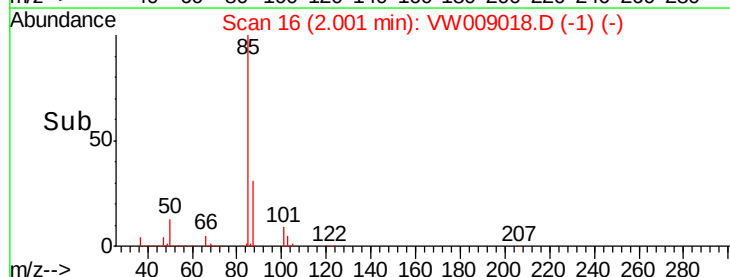
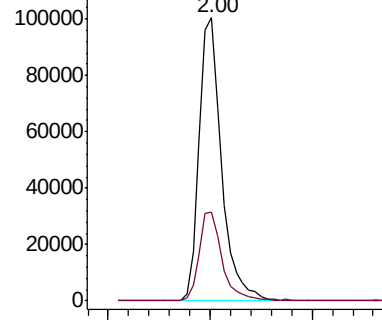
85 100

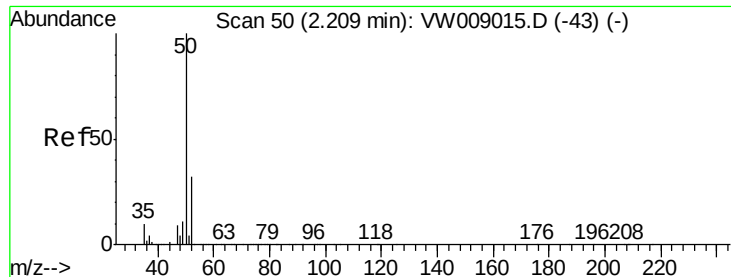
87 31.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.755 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampled :

ICVW030619

Tgt Ion: 50 Resp: 200751

Ion Ratio Lower Upper

50 100

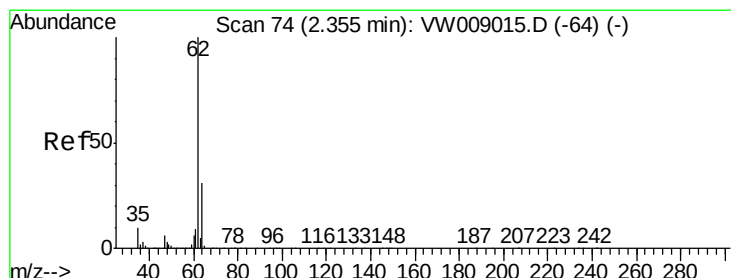
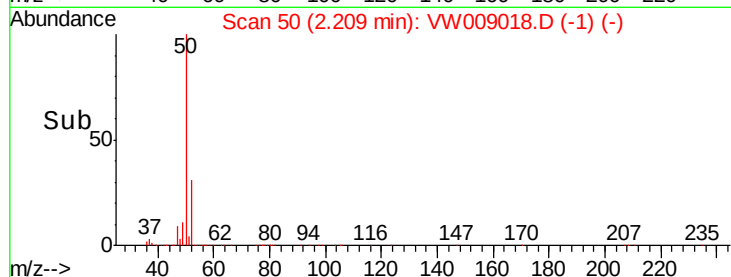
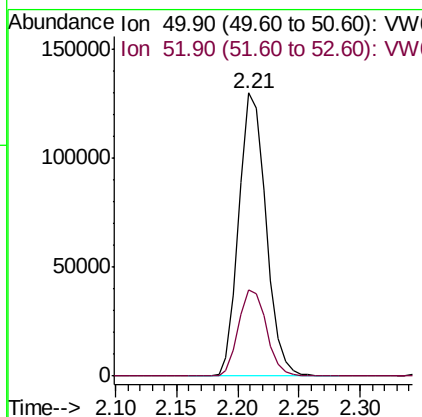
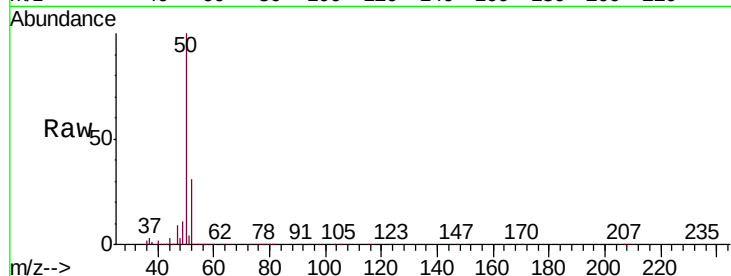
52 30.7 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.307 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009018.D

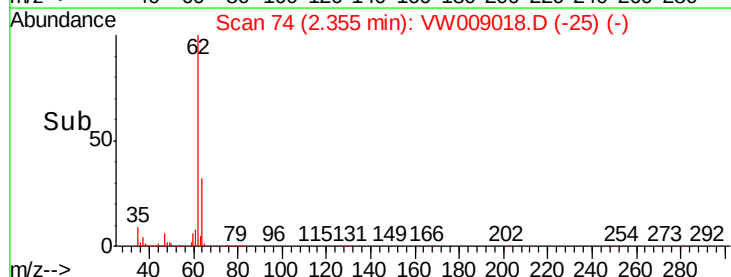
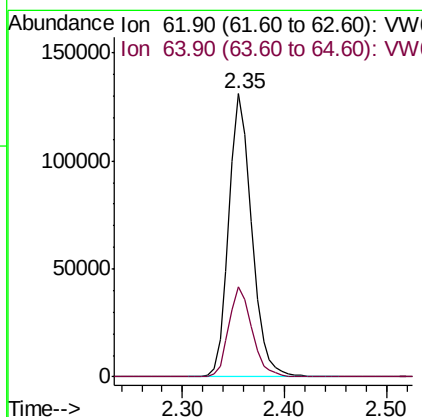
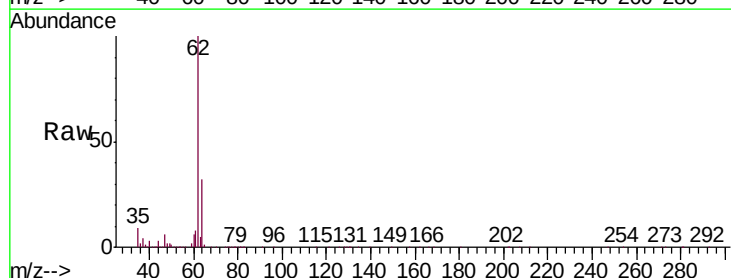
Acq: 06 Mar 2019 15:30

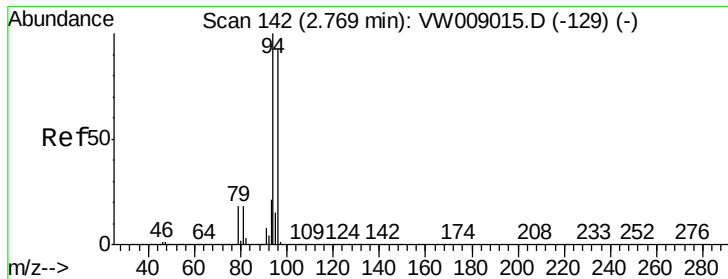
Tgt Ion: 62 Resp: 203405

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 45.011 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 94 Resp: 159816

Ion Ratio Lower Upper

94 100

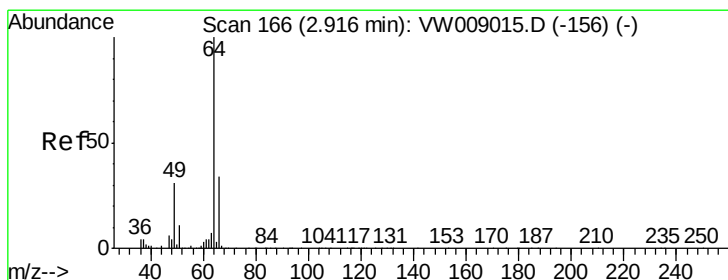
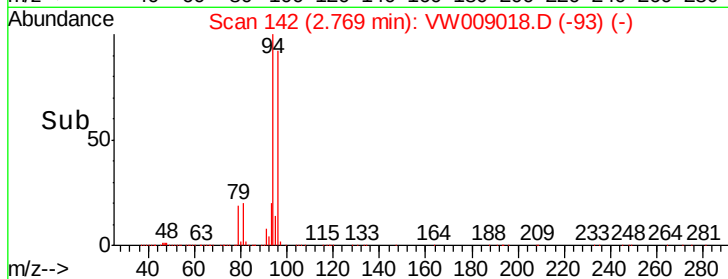
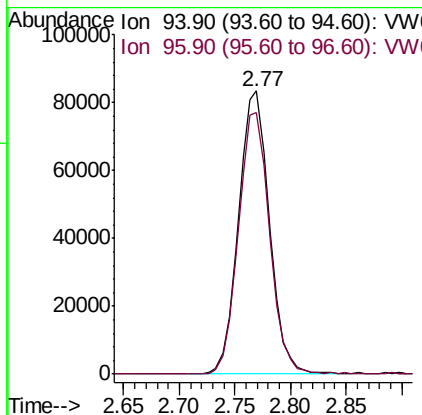
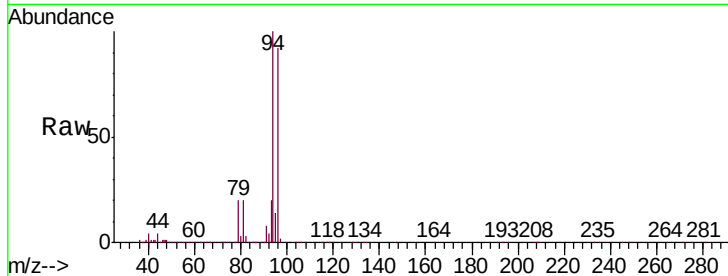
96 92.0 73.4 110.0

Manual Integrations

APPROVED

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3/8/2019 12:07:10 AM



#6

Chloroethane

Concen: 50.178 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009018.D

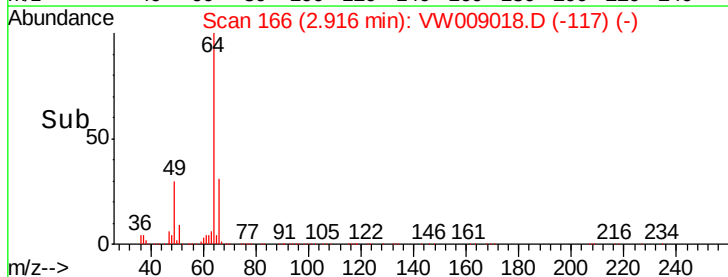
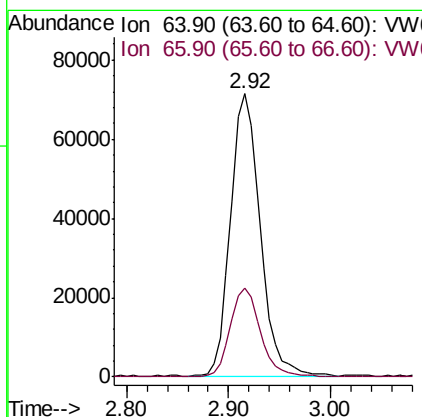
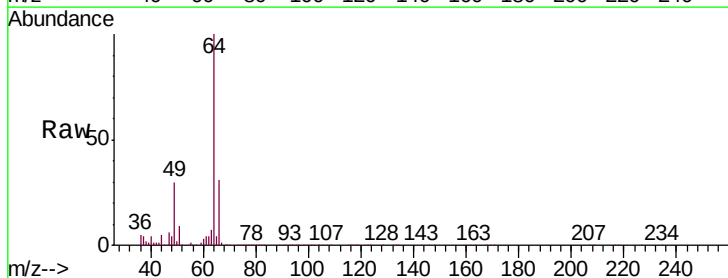
Acq: 06 Mar 2019 15:30

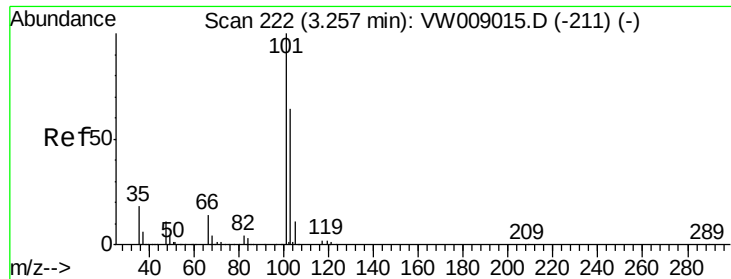
Tgt Ion: 64 Resp: 143850

Ion Ratio Lower Upper

64 100

66 31.2 27.2 40.8





#7

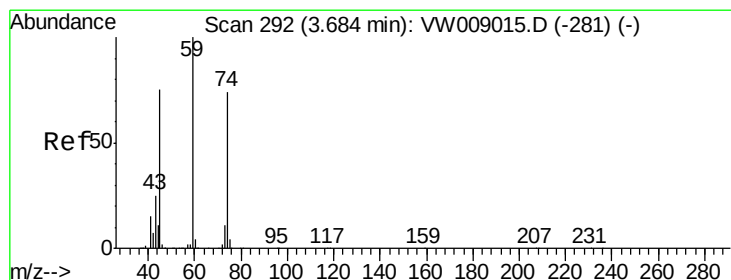
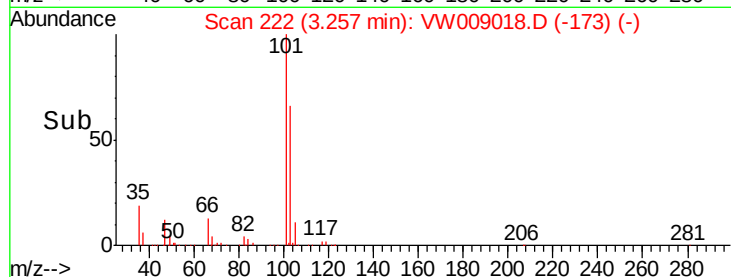
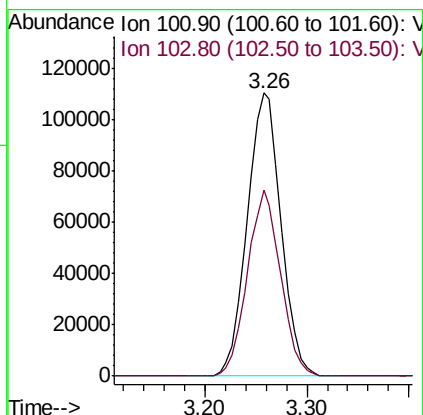
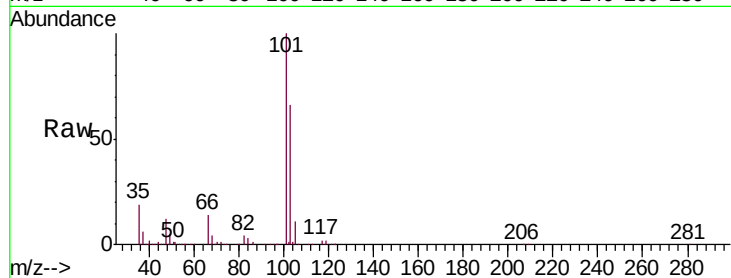
Trichlorofluoromethane
Concen: 48.951 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
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ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.1	76.7

Manual Integrations
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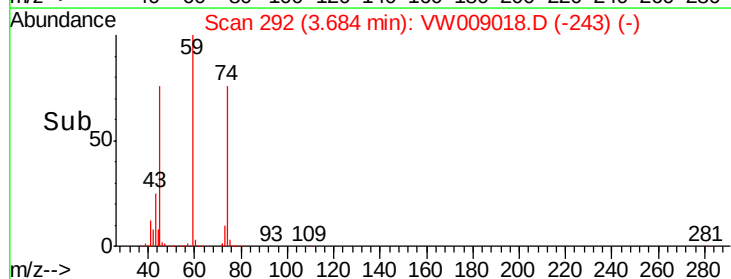
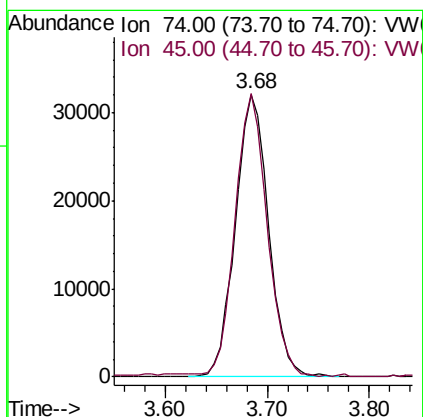
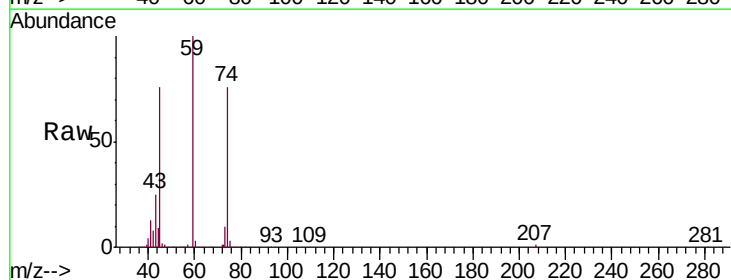
MMDadoda
3/8/2019 12:07:10 AM

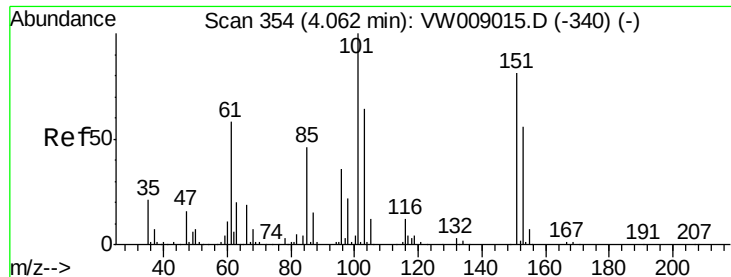


#8

Diethyl Ether
Concen: 44.431 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.8	146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.733 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009018.D

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Instrument :

MSVOA_W

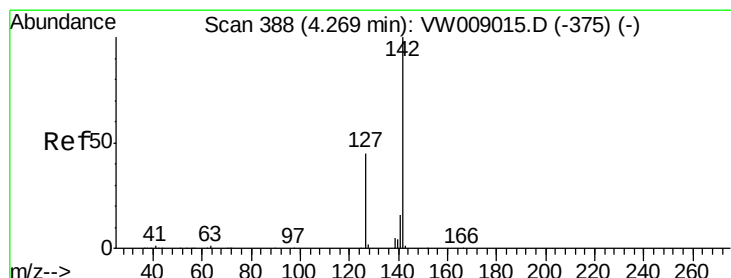
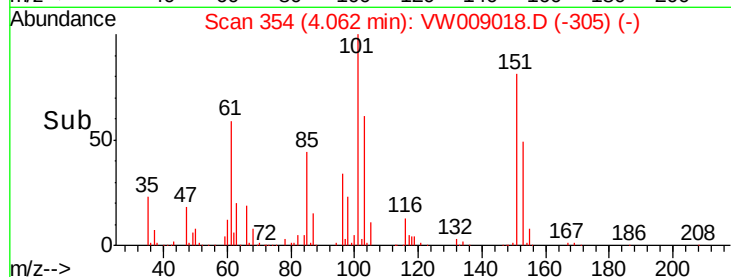
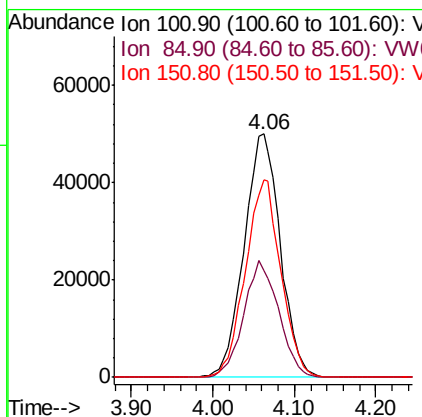
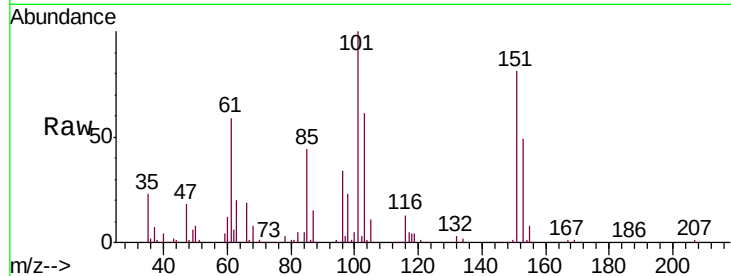
ClientSampleId :

ICVW030619

Tgt Ion:	101	Resp:	154271
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.6	55.0
151	79.8	66.0	99.0

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#10

Methyl Iodide

Concen: 50.702 ug/l

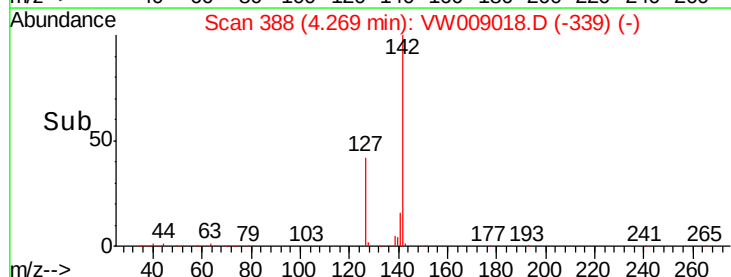
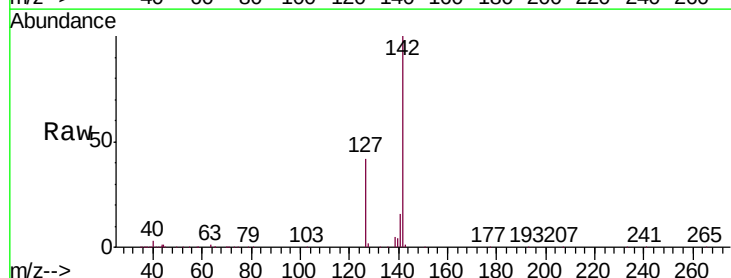
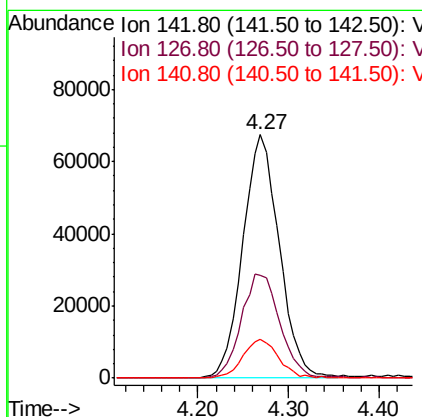
RT: 4.27 min Scan# 388

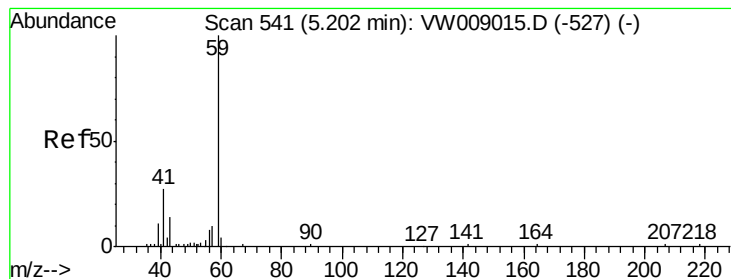
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion:	142	Resp:	188046
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.2	54.2
141	15.7	12.3	18.5





#11

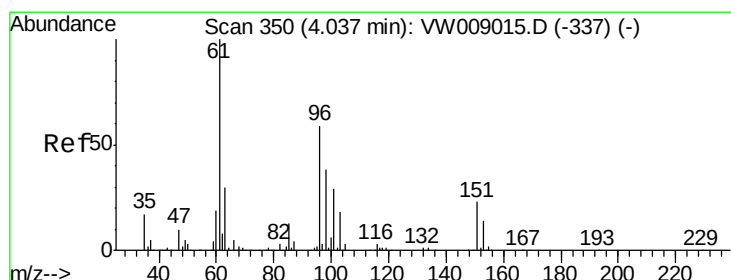
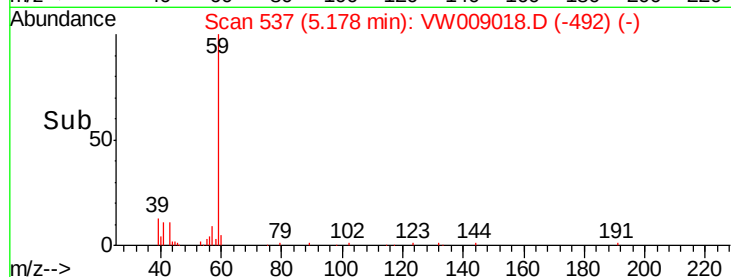
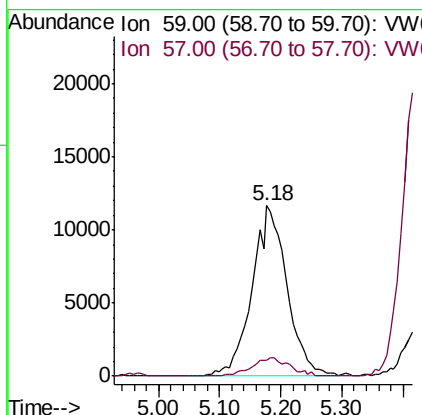
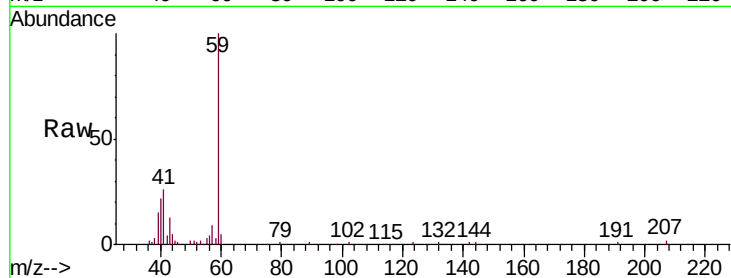
Tert butyl alcohol
Concen: 199.455 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.02 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampled :
ICVW030619

Tgt Ion: 59 Resp: 46255
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.6

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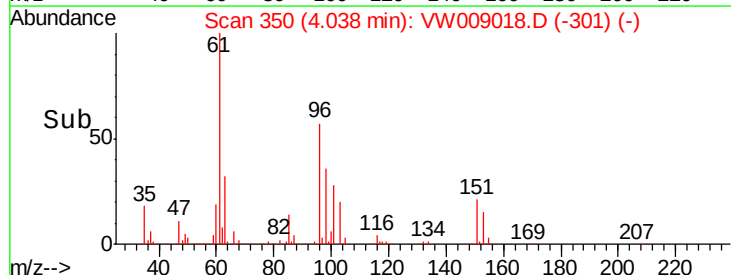
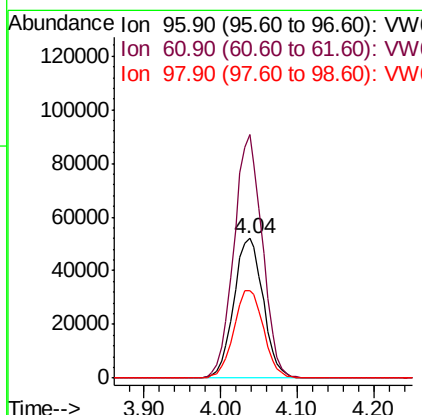
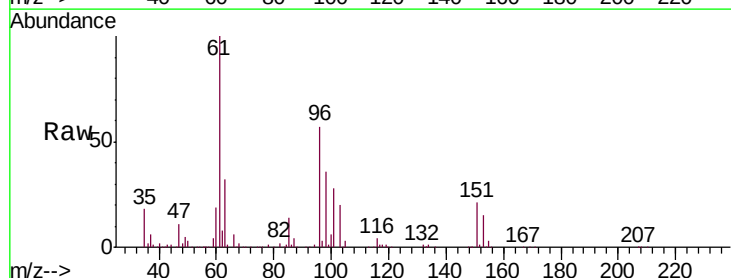
MMDadoda
3/8/2019 12:07:10 AM

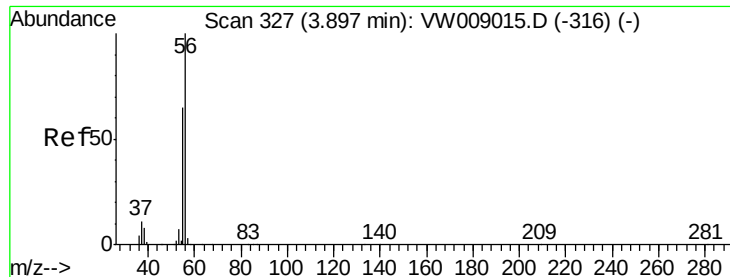


#12

1,1-Dichloroethene
Concen: 49.242 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion: 96 Resp: 138677
Ion Ratio Lower Upper
96 100
61 174.3 135.8 203.6
98 62.9 51.6 77.4





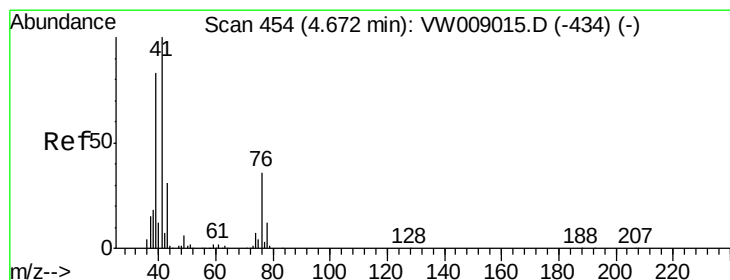
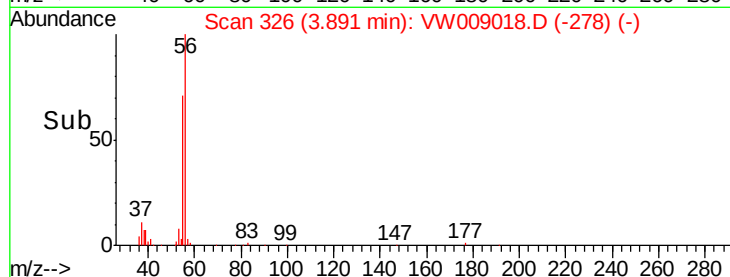
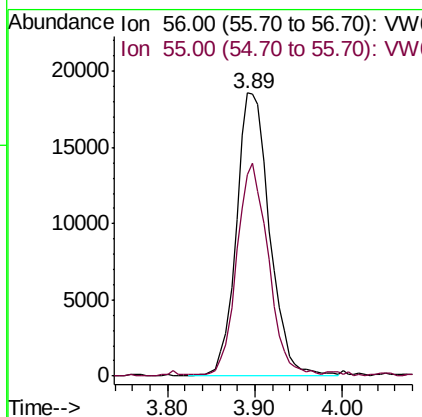
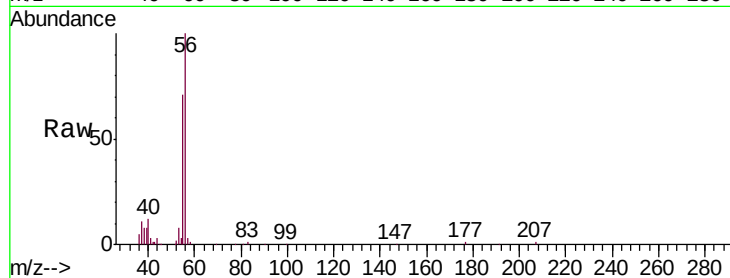
#13
 Acrolein
 Concen: 185.537 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030619

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.1	85.7

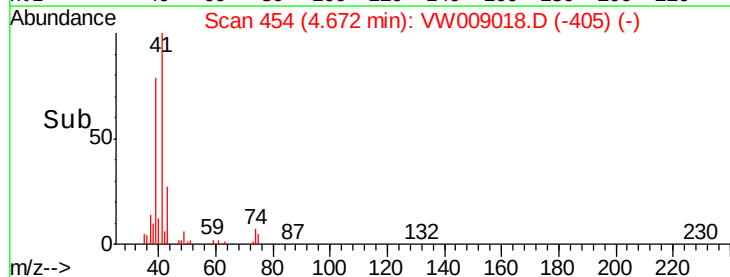
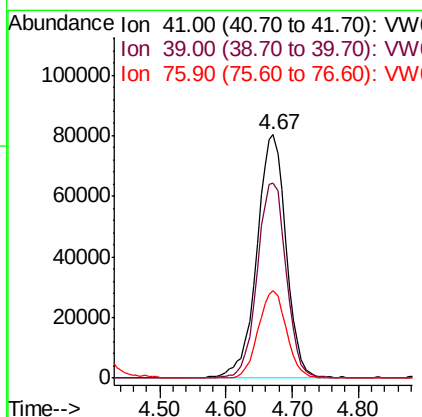
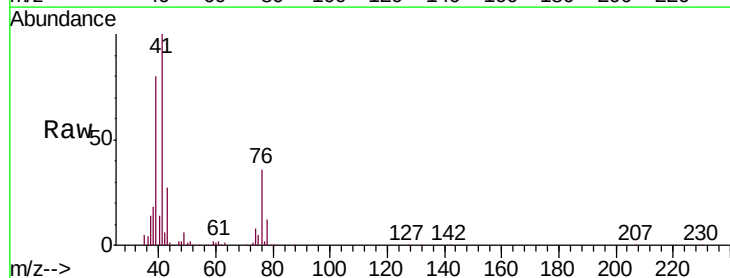
Manual Integrations
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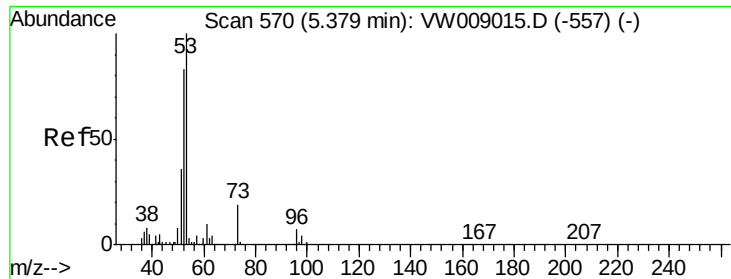
MMDadoda
 3/8/2019 12:07:10 AM



#14
 Allyl chloride
 Concen: 50.683 ug/l
 RT: 4.67 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.7	63.6	95.4
76	34.5	27.9	41.9





#15

Acrylonitrile

Concen: 214.930 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

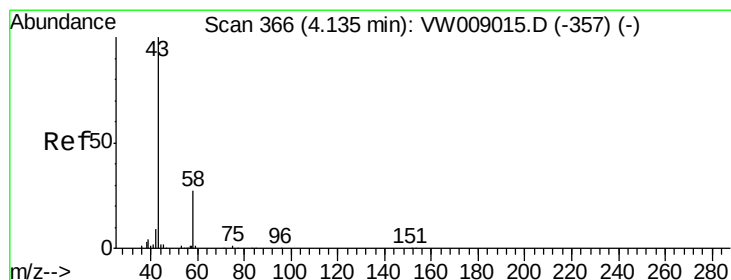
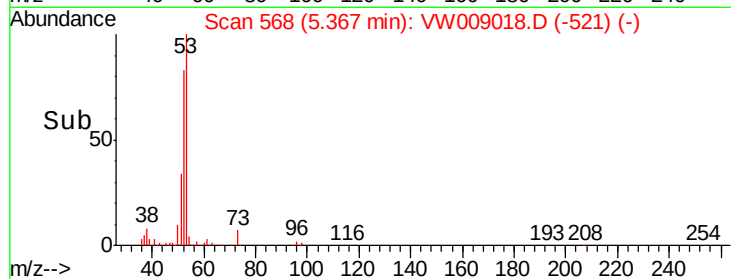
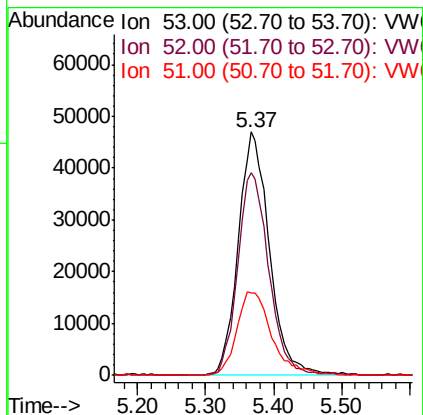
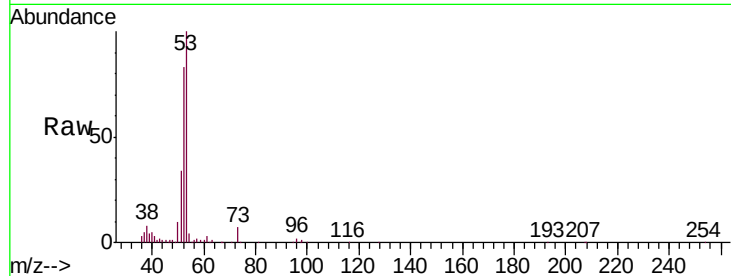
ClientSampleId :

ICVW030619

Tgt Ion:	53	Resp:	149600
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	38.4	30.6	45.8

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#16

Acetone

Concen: 245.503 ug/l

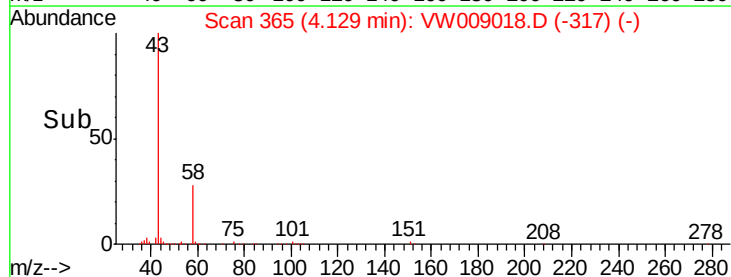
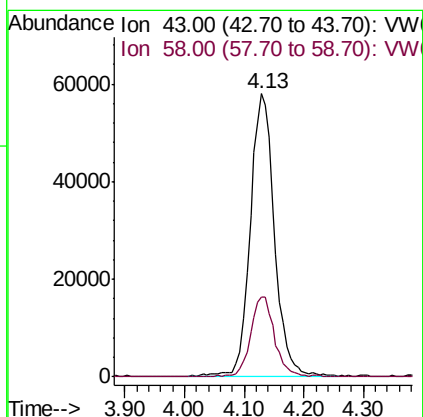
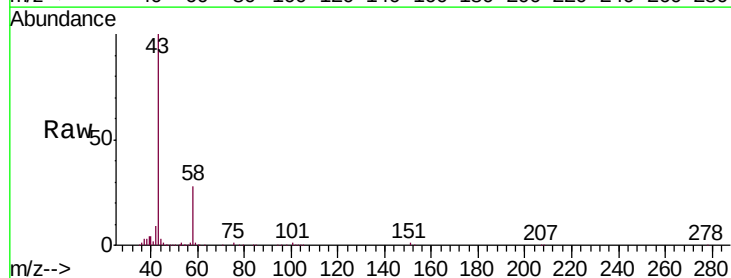
RT: 4.13 min Scan# 365

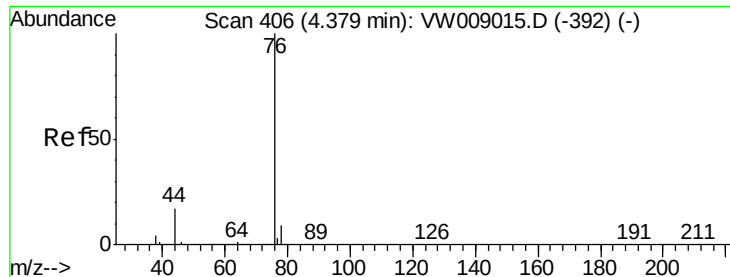
Delta R.T. -0.01 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion:	43	Resp:	163126
Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.6	32.4





#17

Carbon Disulfide

Concen: 49.997 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 76 Resp: 471883

Ion Ratio Lower Upper

76 100

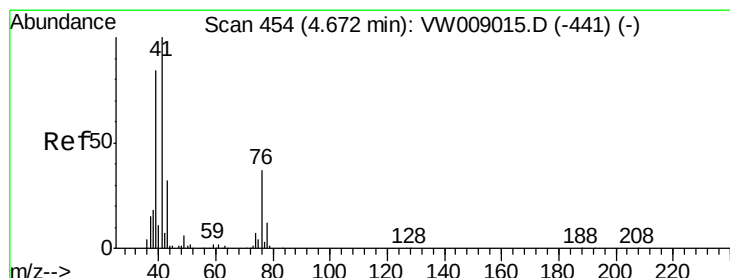
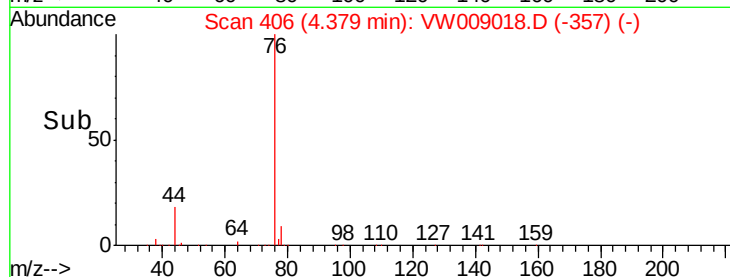
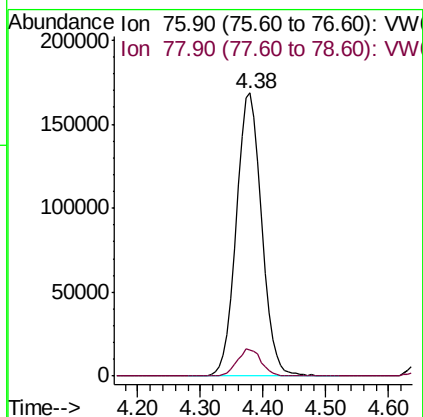
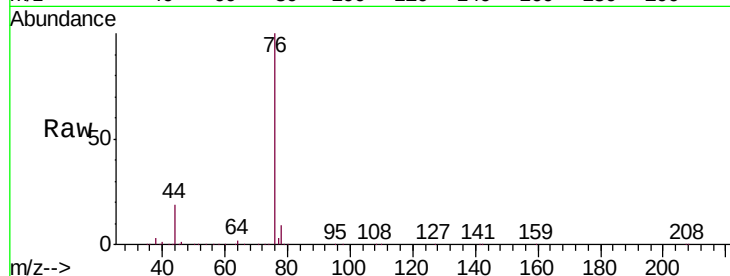
78 9.0 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 44.184 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009018.D

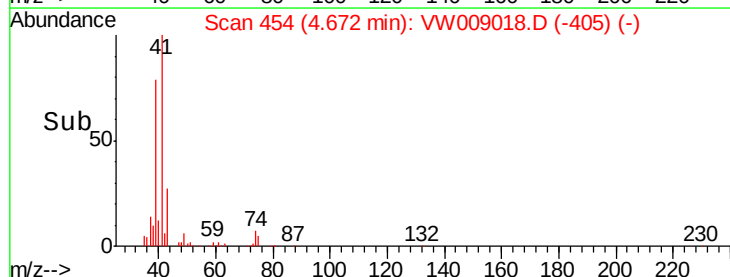
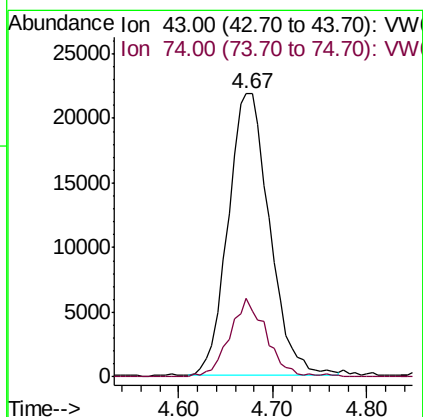
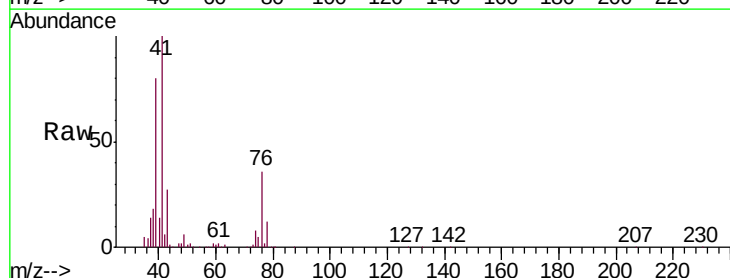
Acq: 06 Mar 2019 15:30

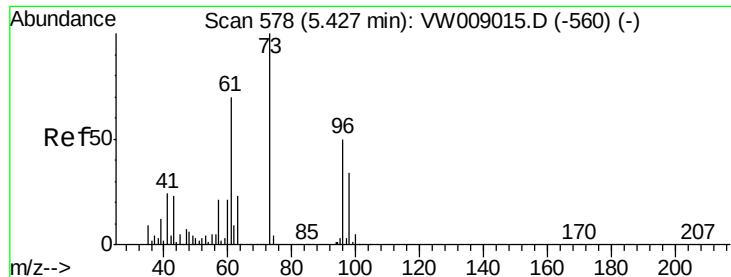
Tgt Ion: 43 Resp: 66928

Ion Ratio Lower Upper

43 100

74 24.3 17.7 26.5





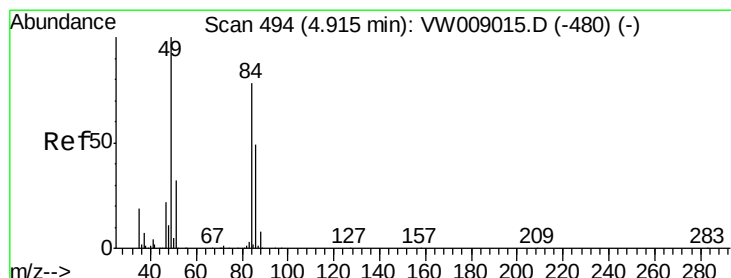
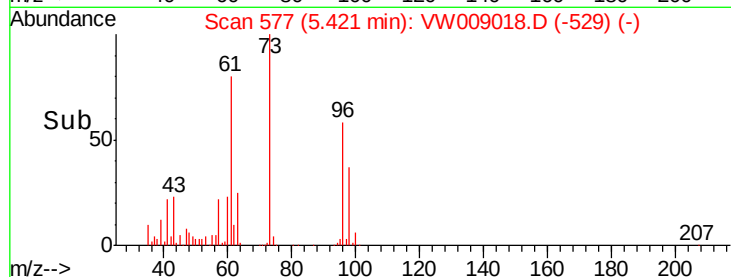
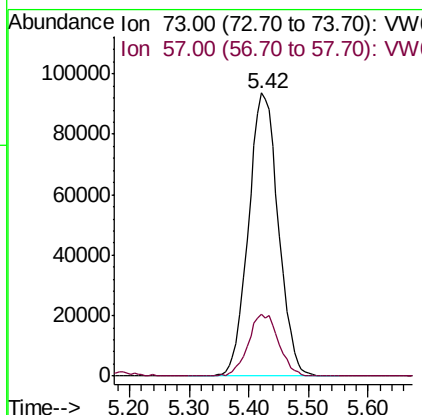
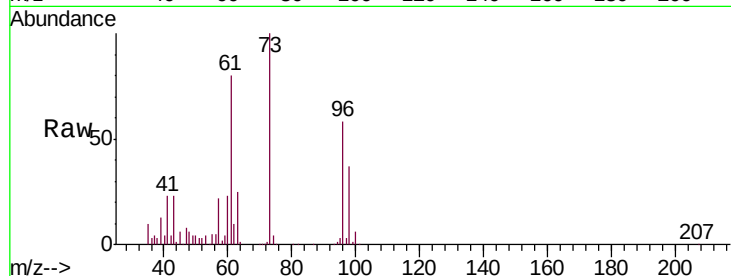
#19
Methyl tert-butyl Ether
Concen: 44.619 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion: 73 Resp: 325291
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.6

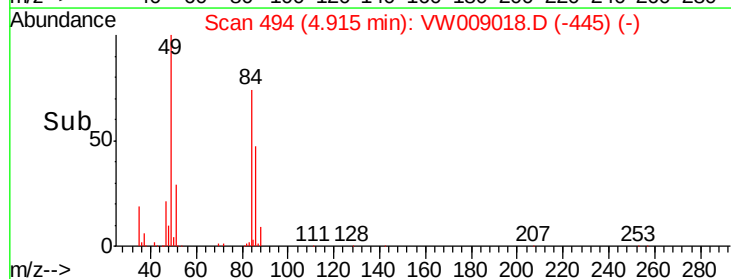
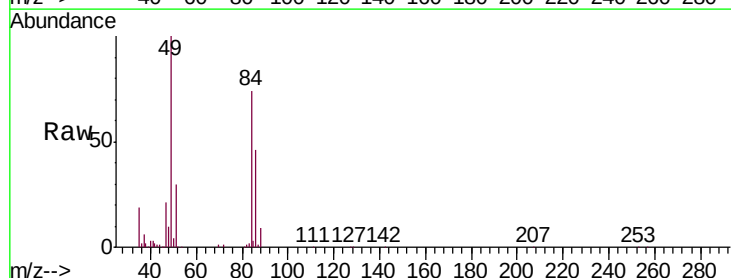
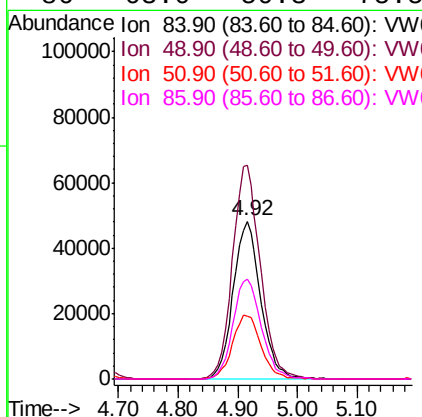
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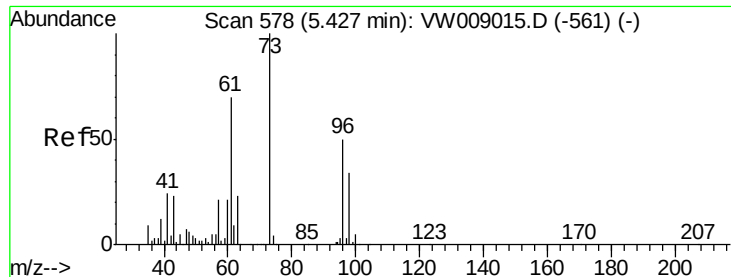
MMDadoda
3/8/2019 12:07:10 AM



#20
Methylene Chloride
Concen: 45.507 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion: 84 Resp: 154766
Ion Ratio Lower Upper
84 100
49 135.5 102.8 154.2
51 40.1 32.4 48.6
86 63.0 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 48.836 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

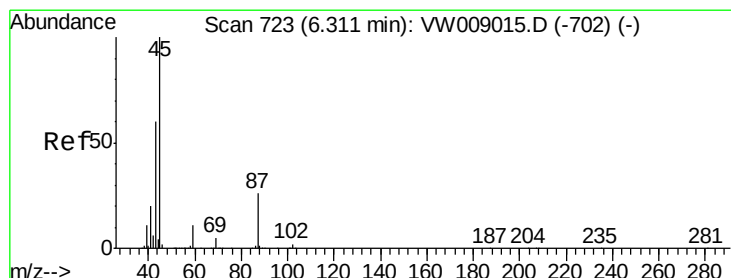
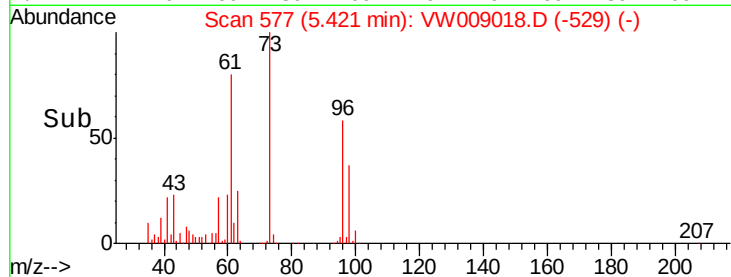
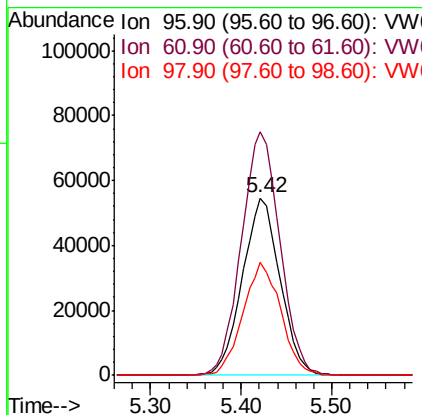
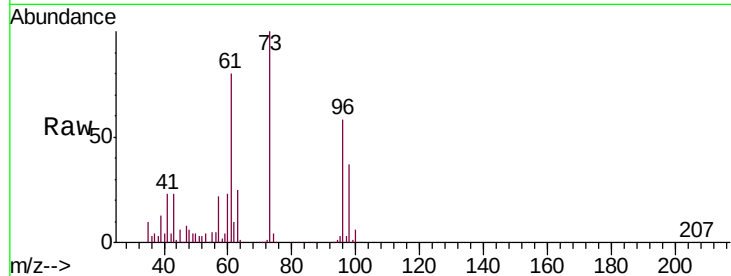
ClientSampled :

ICVW030619

Tgt Ion:	96	Resp:	157318
Ion	Ratio	Lower	Upper
96	100		
61	137.2	113.2	169.8
98	63.6	55.7	83.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.422 ug/l

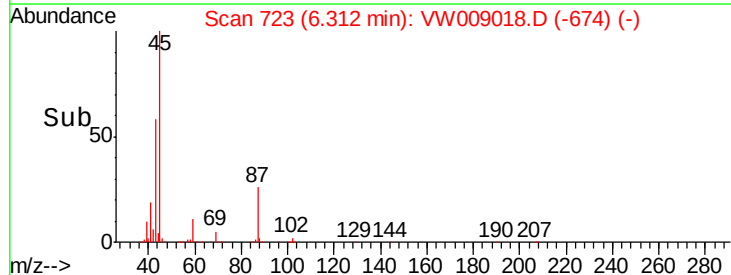
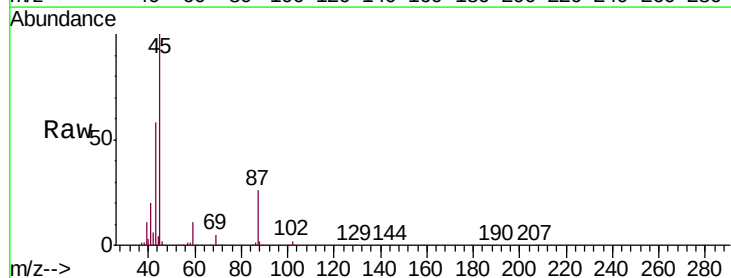
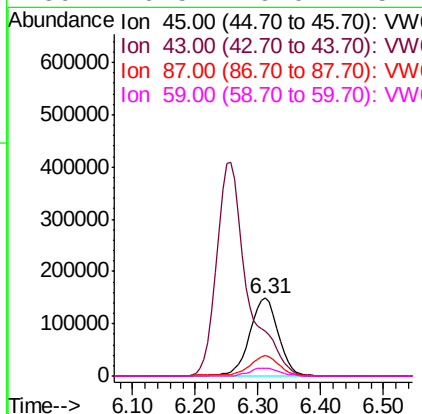
RT: 6.31 min Scan# 723

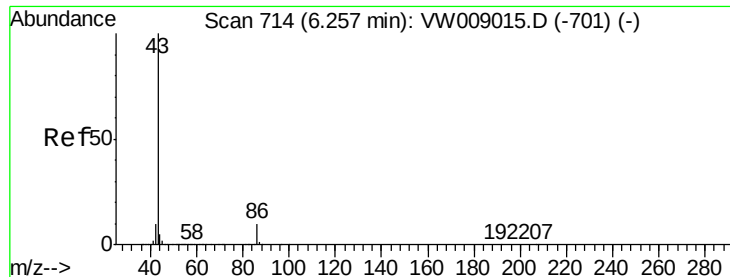
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion:	45	Resp:	470785
Ion	Ratio	Lower	Upper
45	100		
43	57.6	48.1	72.1
87	25.9	20.9	31.3
59	10.5	9.0	13.4





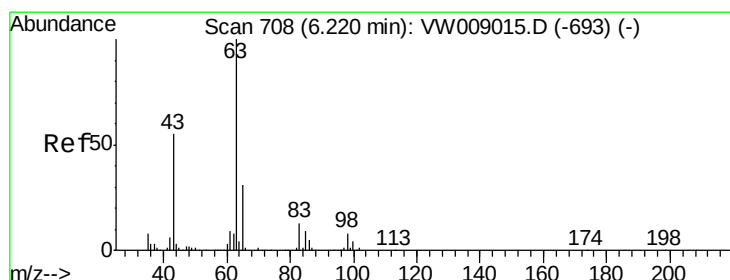
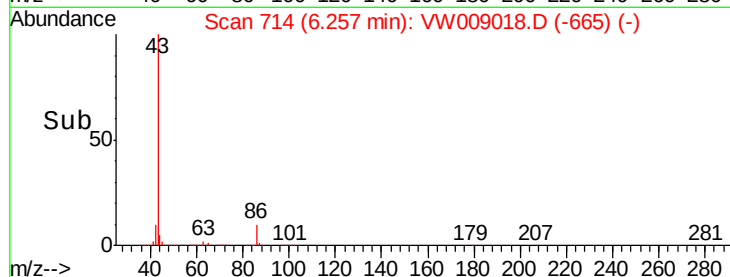
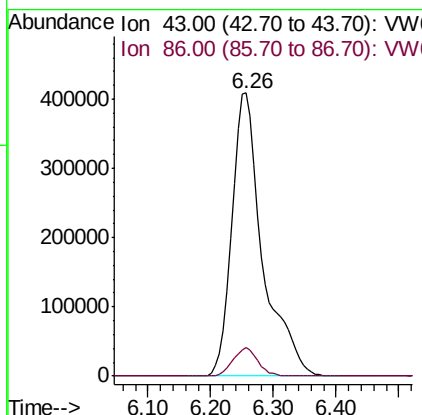
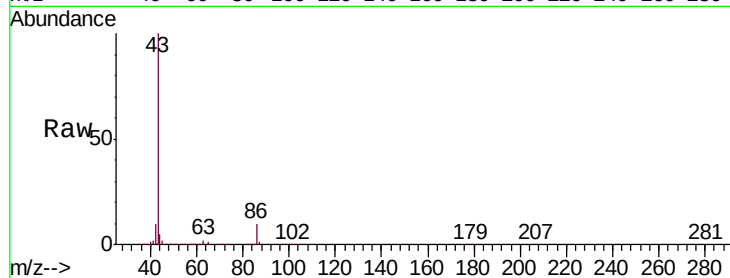
#23
 Vinyl Acetate
 Concen: 228.411 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030619

Tgt Ion: 43 Resp: 1383117
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.0 12.0

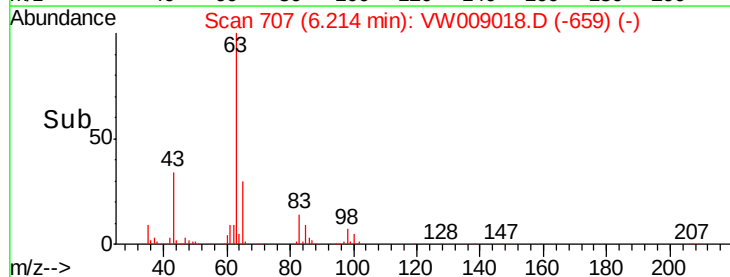
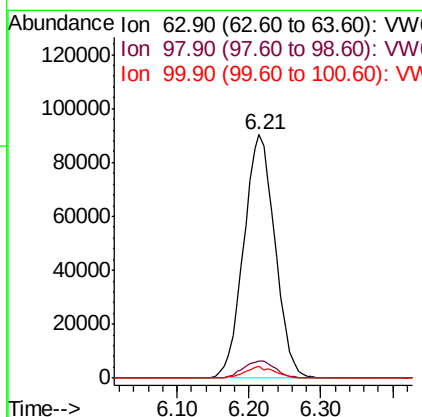
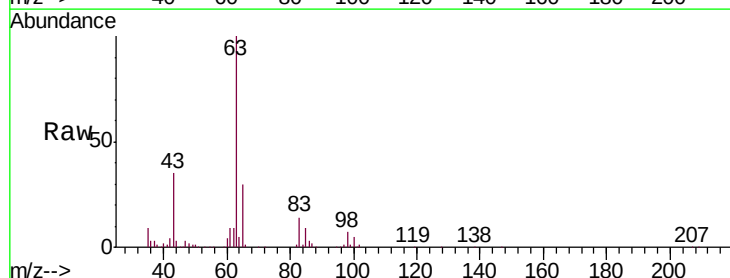
Manual Integrations
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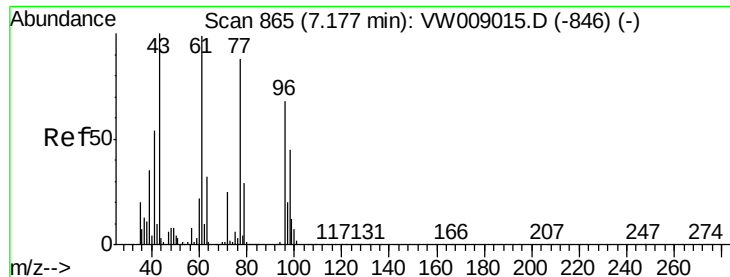
MMDadoda
 3/8/2019 12:07:10 AM



#24
 1,1-Dichloroethane
 Concen: 48.082 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Tgt Ion: 63 Resp: 271812
 Ion Ratio Lower Upper
 63 100
 98 7.3 4.0 12.2
 100 5.1 2.0 5.8





#25

2-Butanone

Concen: 216.670 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 43 Resp: 204805

Ion Ratio Lower Upper

43 100

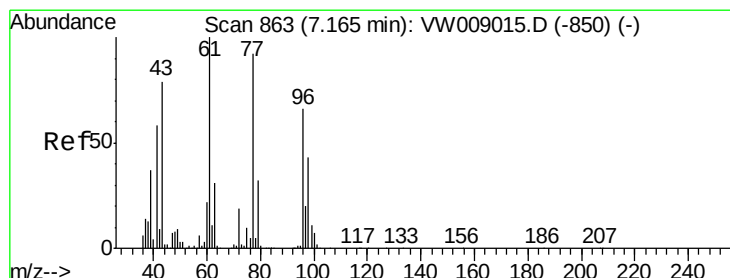
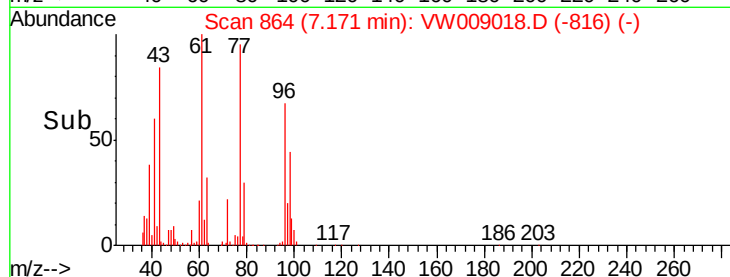
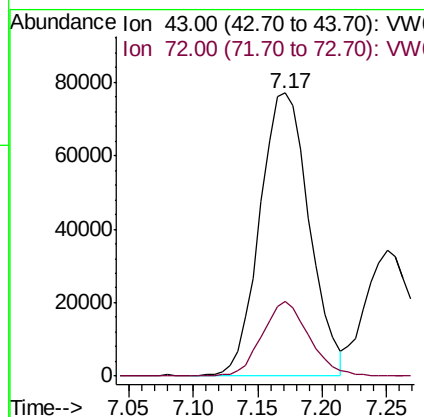
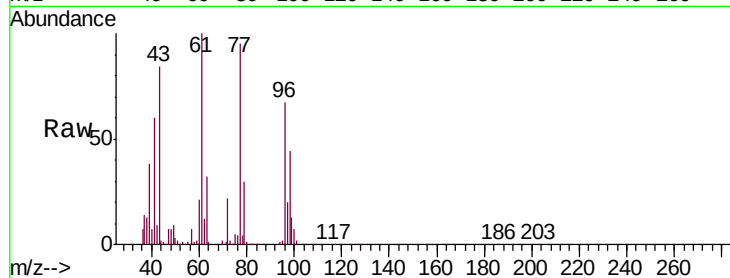
72 26.3 20.2 30.2

Manual Integrations

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MMDadoda

3/8/2019 12:07:10 AM



#26

2,2-Dichloropropane

Concen: 50.384 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009018.D

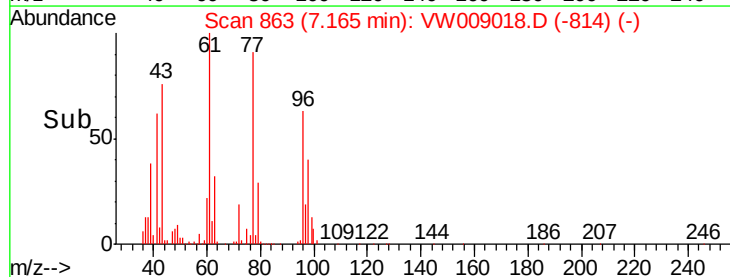
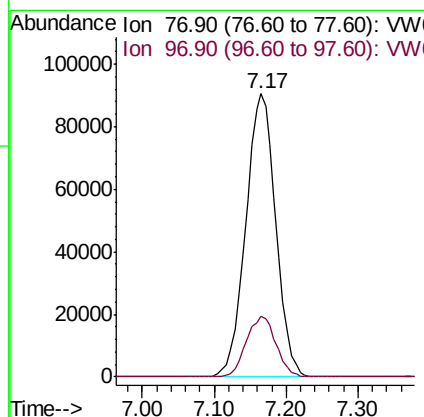
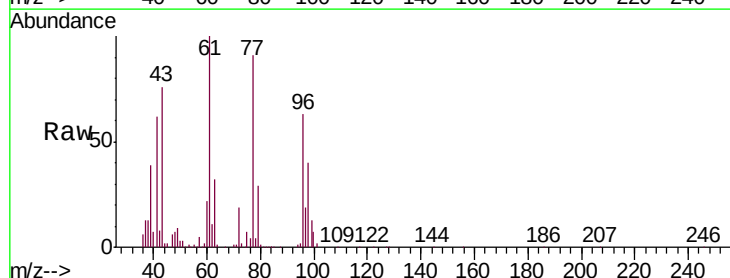
Acq: 06 Mar 2019 15:30

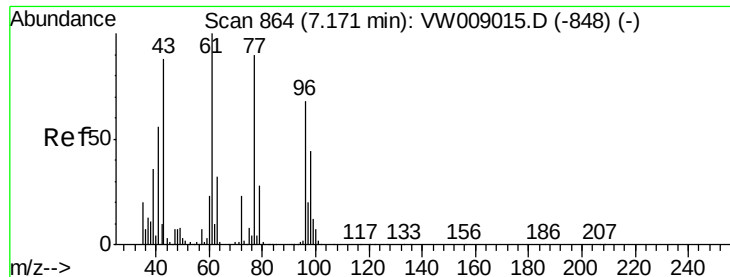
Tgt Ion: 77 Resp: 260545

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 48.696 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

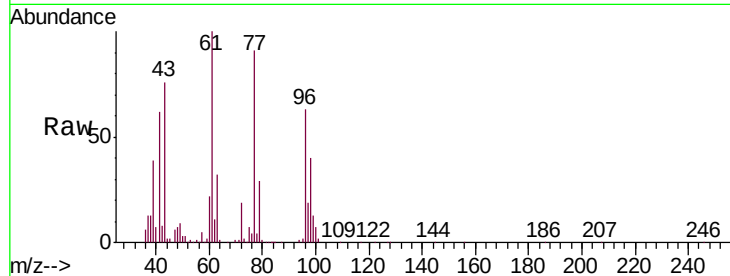
ClientSampled :

ICVW030619

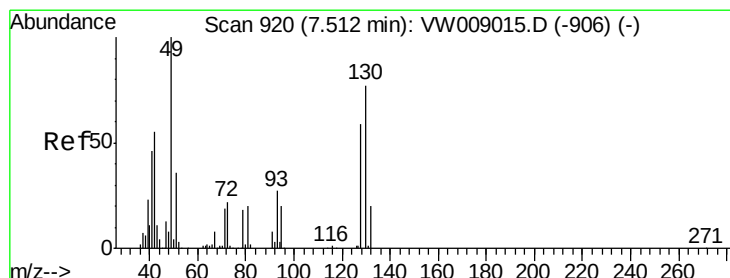
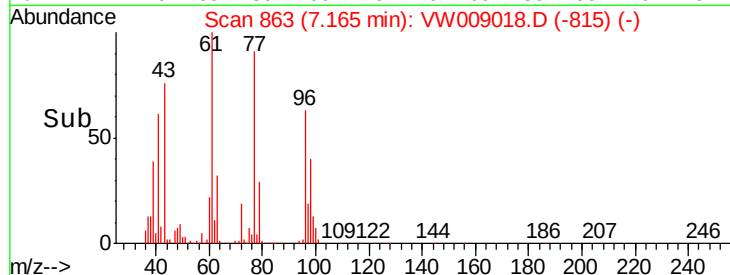
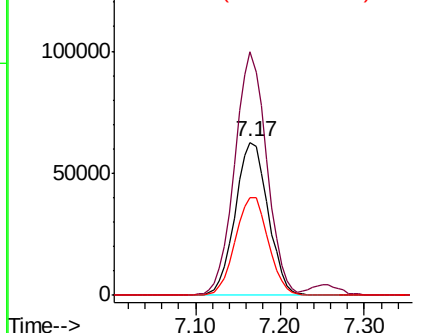
Tgt Ion:	96	Resp:	165141
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	303.6
98	64.5	0.0	129.0

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 45.129 ug/l

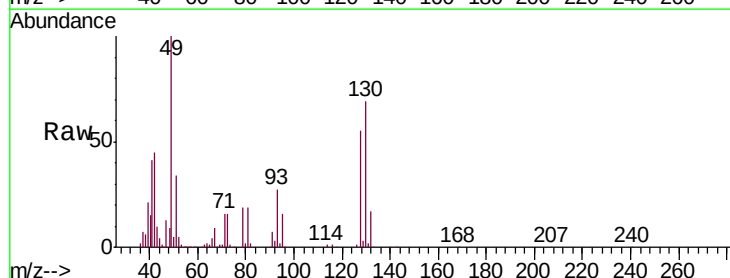
RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

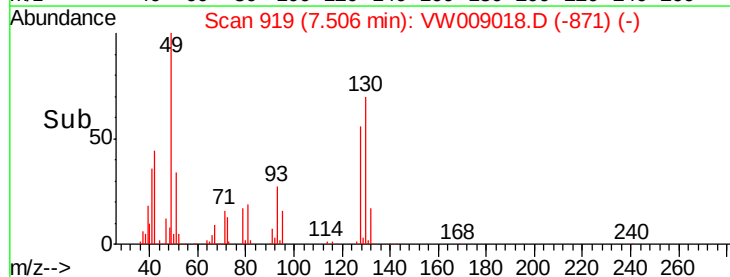
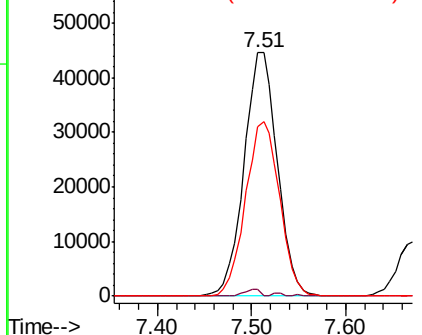
Lab File: VW009018.D

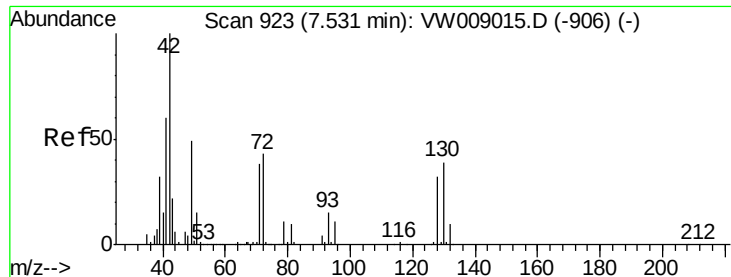
Acq: 06 Mar 2019 15:30

Tgt Ion:	49	Resp:	110744
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.2
130	73.4	59.9	89.9



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





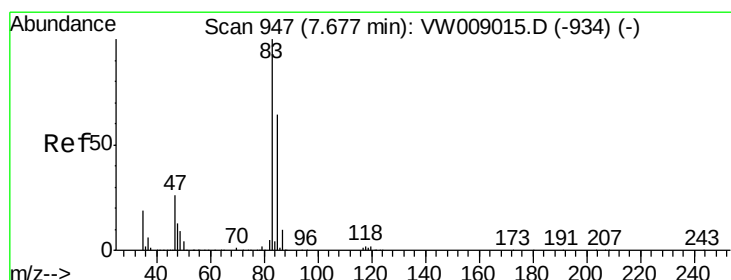
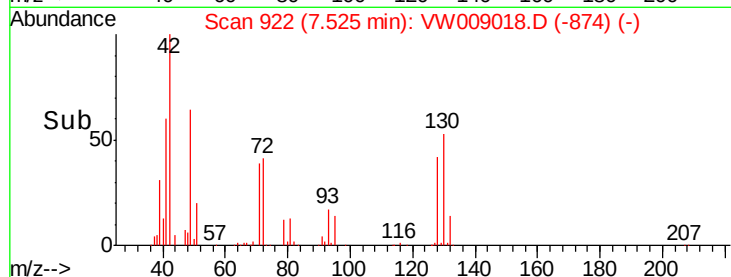
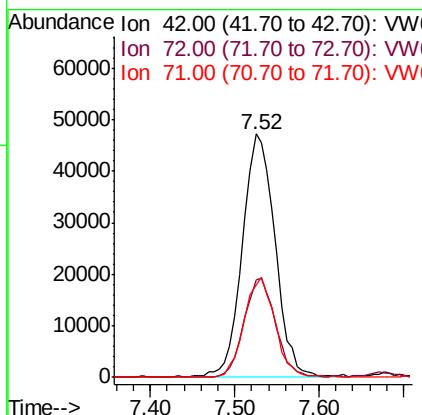
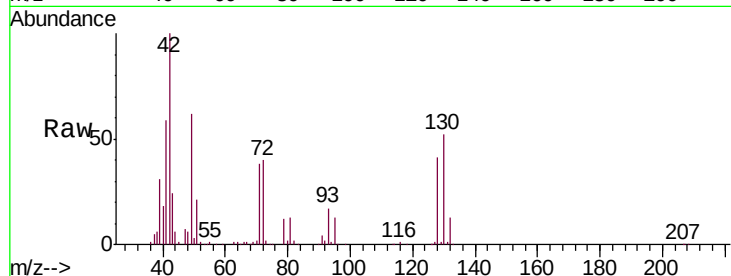
#29
Tetrahydrofuran
Concen: 206.474 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.5	48.7
71	39.1	31.6	47.4

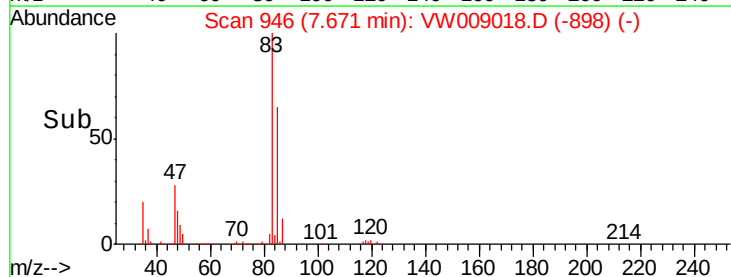
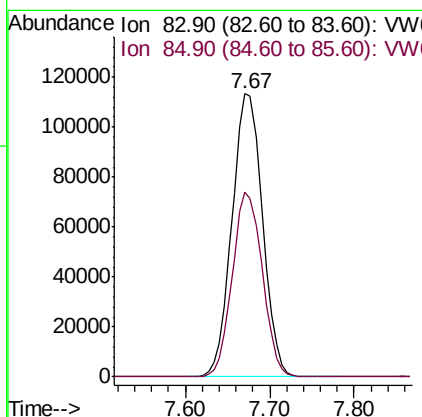
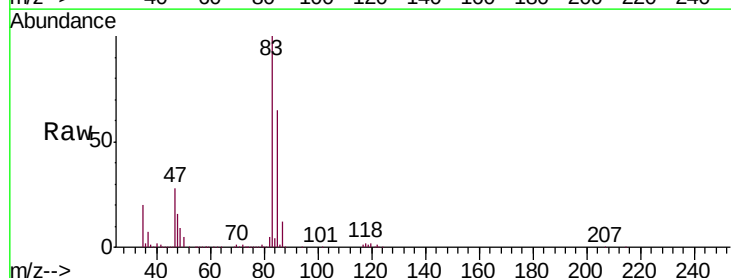
Manual Integrations
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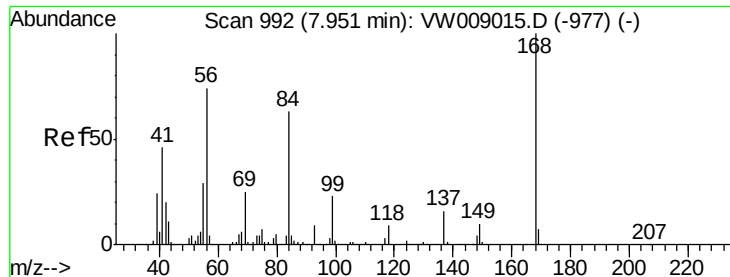
MMDadoda
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#30
Chloroform
Concen: 47.921 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.0





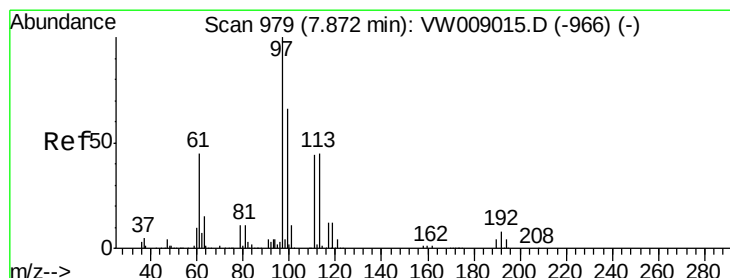
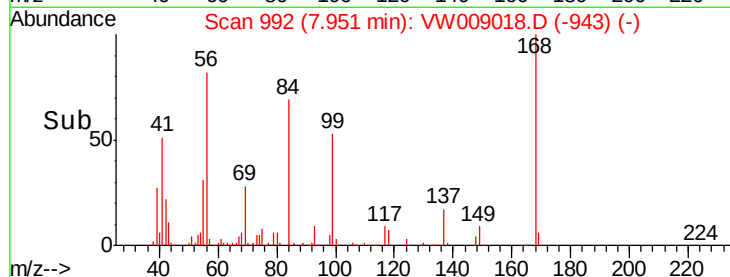
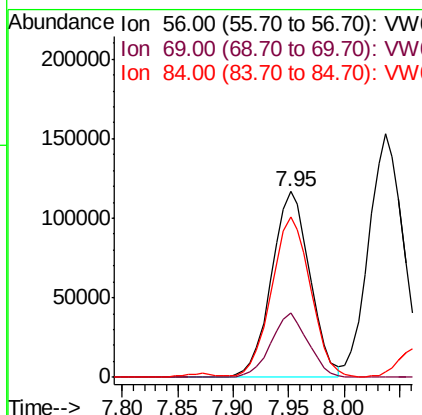
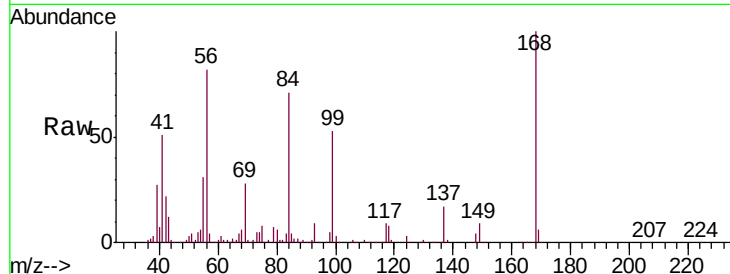
#31
Cyclohexane
Concen: 48.182 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.0	40.4
84	85.2	68.3	102.5

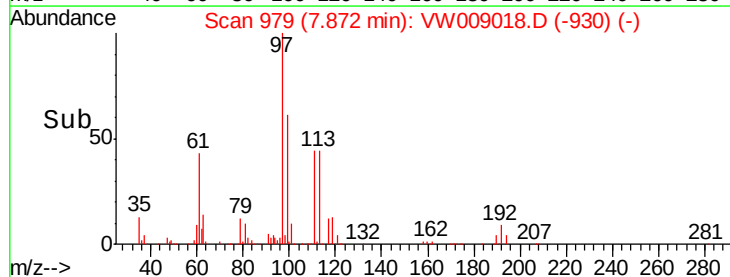
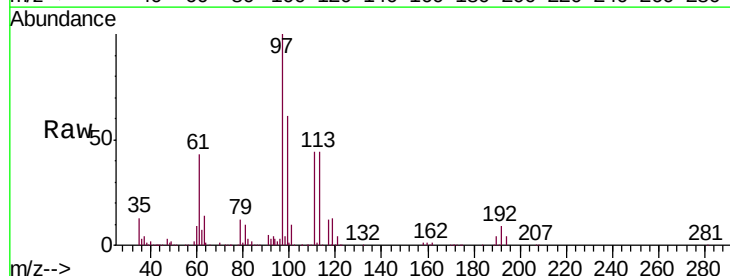
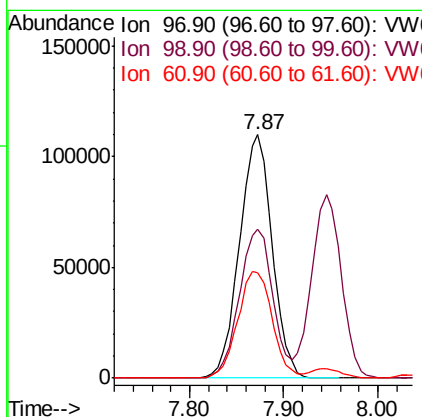
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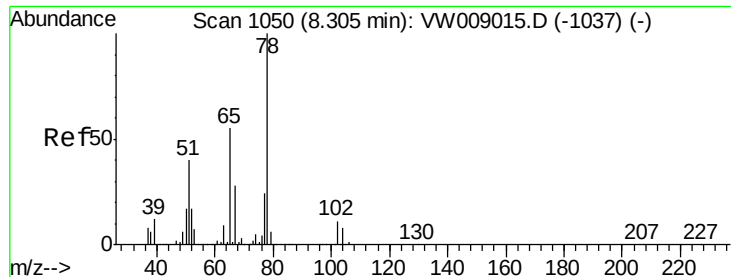
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#32
1,1,1-Trichloroethane
Concen: 50.322 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.0
61	45.9	37.4	56.0





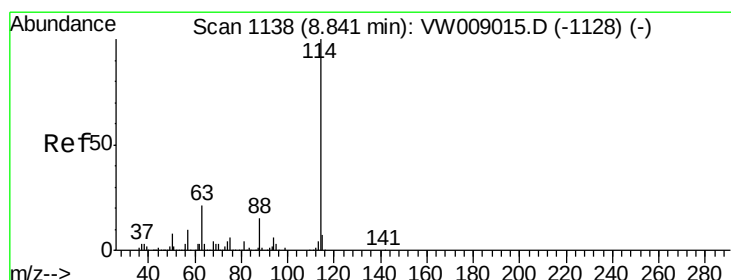
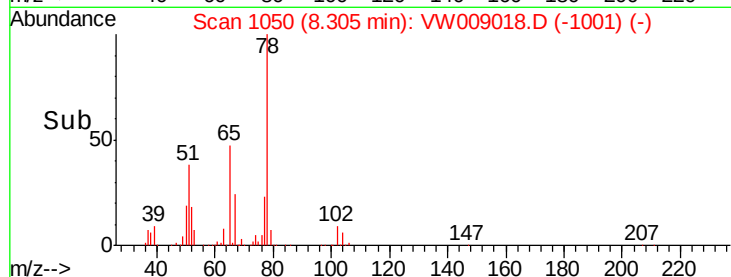
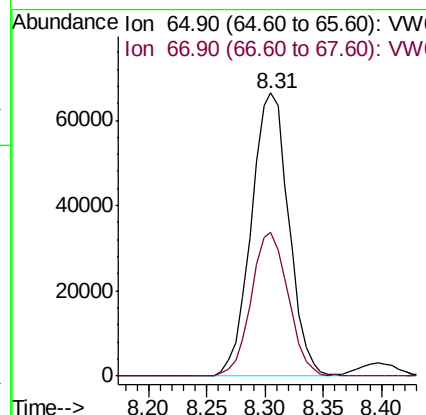
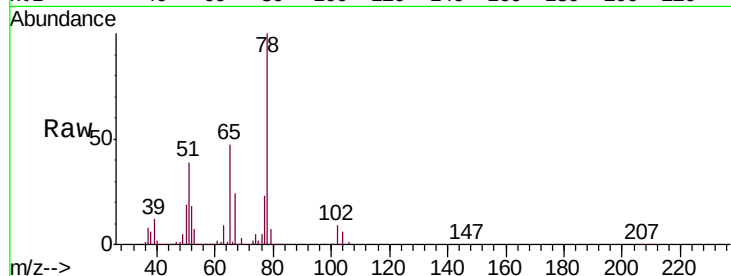
#33
 1,2-Dichloroethane-d4
 Concen: 46.139 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030619

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	149261		
67	50.5	0.0	102.2	

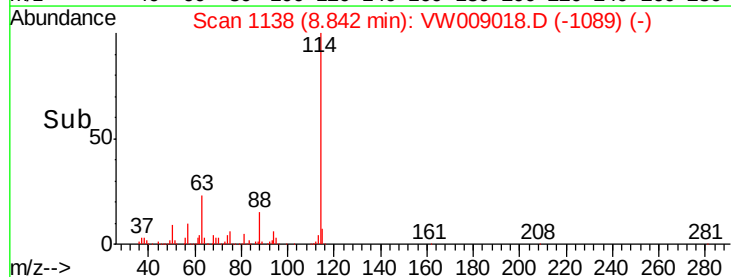
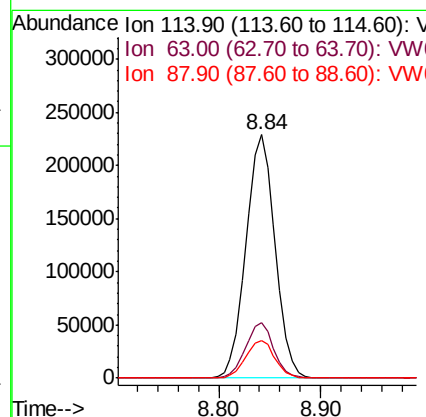
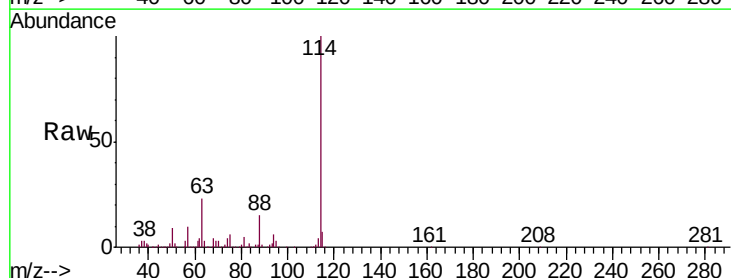
Manual Integrations
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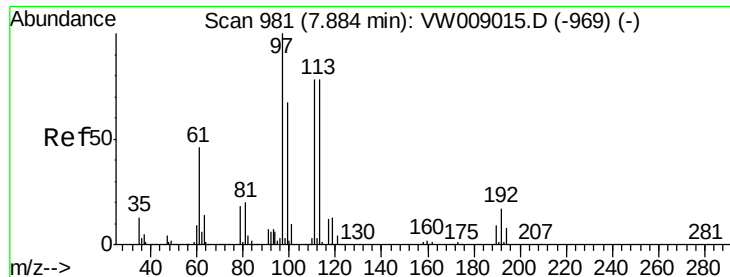
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	453201		
63	22.6	0.0	42.4	
88	15.2	0.0	30.8	





#35

Dibromofluoromethane

Concen: 50.665 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

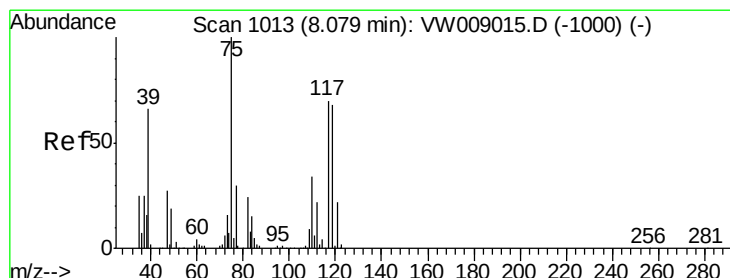
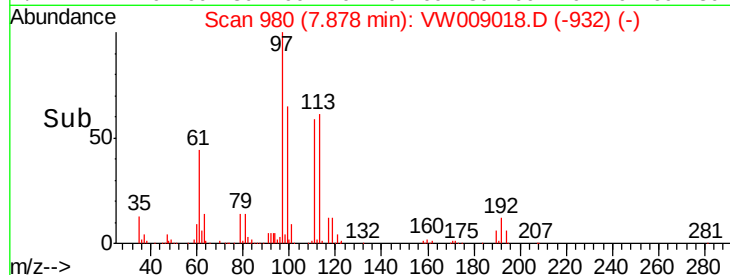
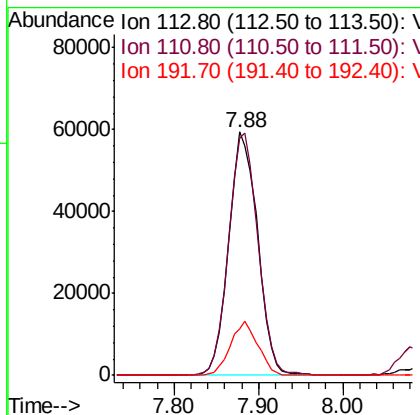
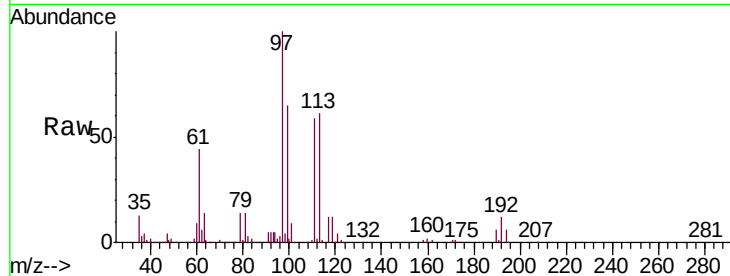
ClientSampleId :

ICVW030619

Tgt Ion:	113	Resp:	138224
Ion Ratio	Lower	Upper	
113	100		
111	101.0	80.5	120.7
192	21.0	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.700 ug/l

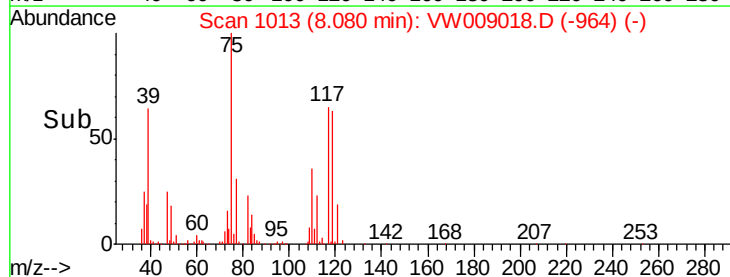
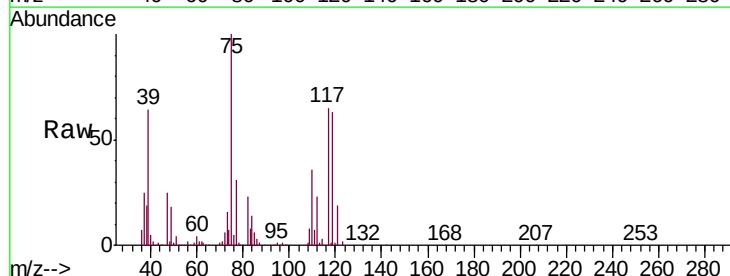
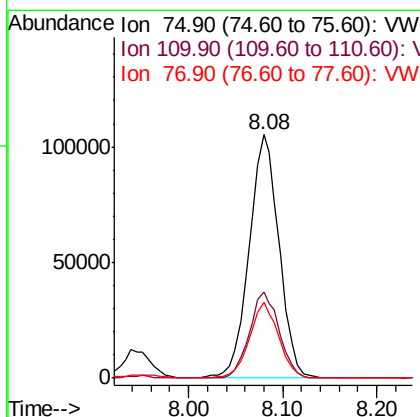
RT: 8.08 min Scan# 1013

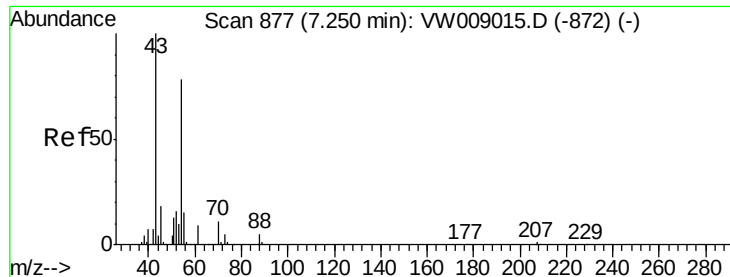
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion:	75	Resp:	232977
Ion Ratio	Lower	Upper	
75	100		
110	35.3	17.3	51.9
77	30.5	24.8	37.2





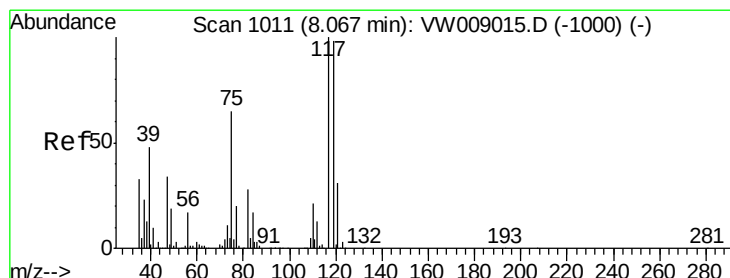
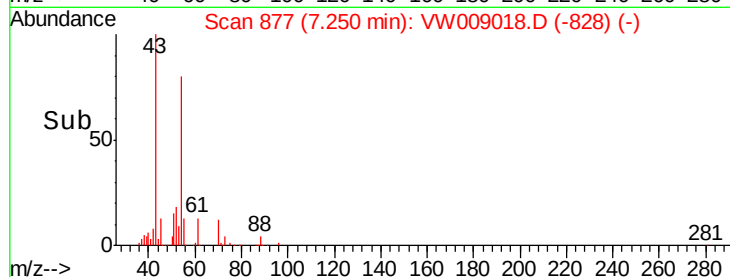
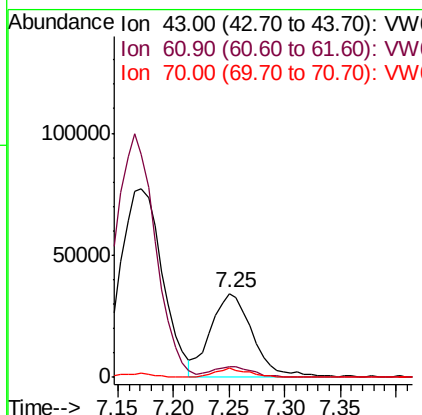
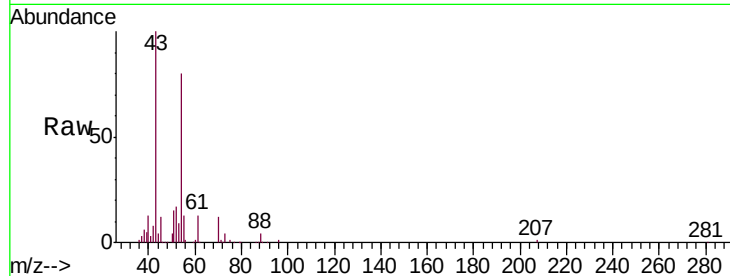
#37
Ethyl Acetate
Concen: 44.102 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampled :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.6	15.8
70	9.4	7.8	11.8

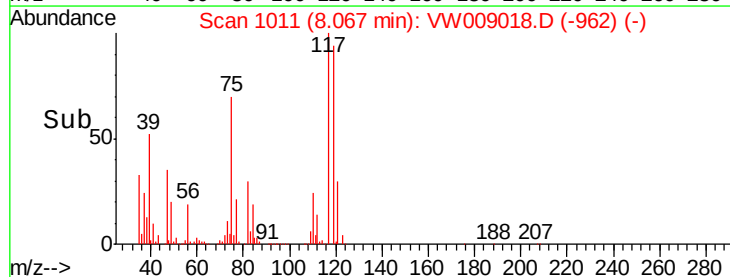
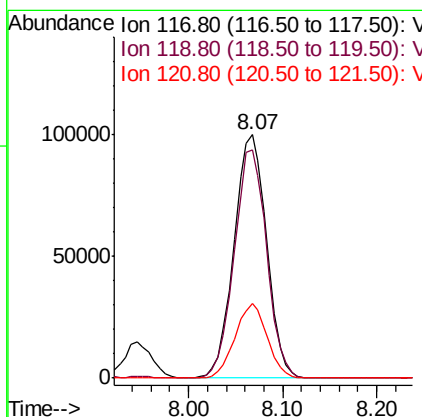
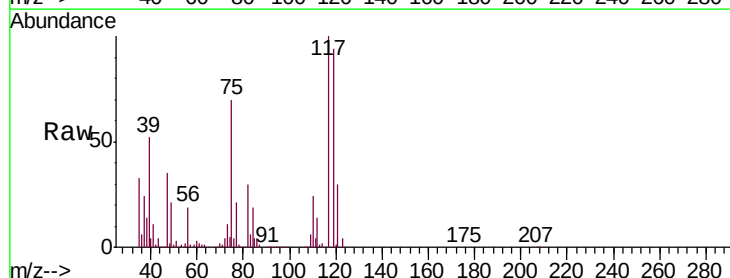
Manual Integrations
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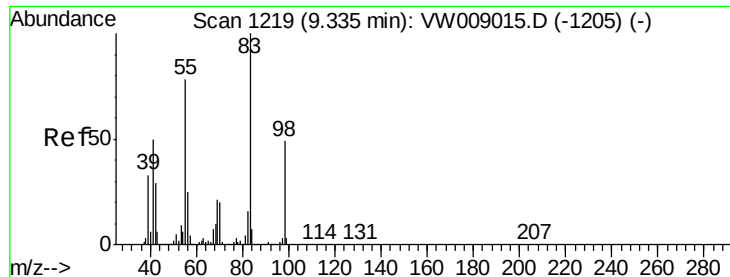
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#38
Carbon Tetrachloride
Concen: 51.751 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.4	117.6
121	30.4	24.7	37.1





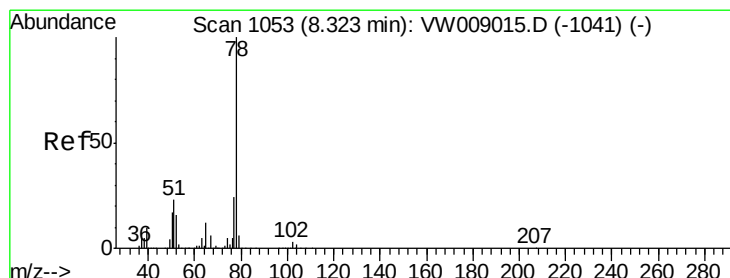
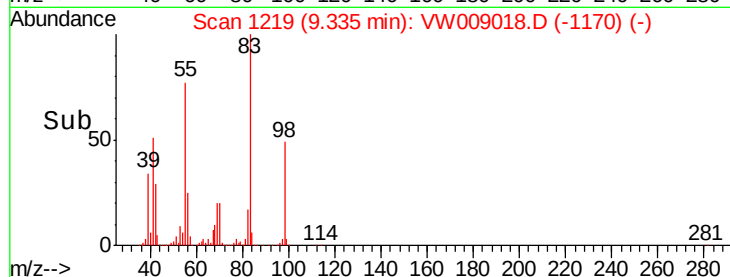
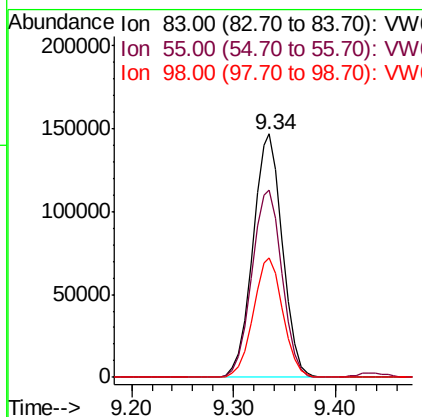
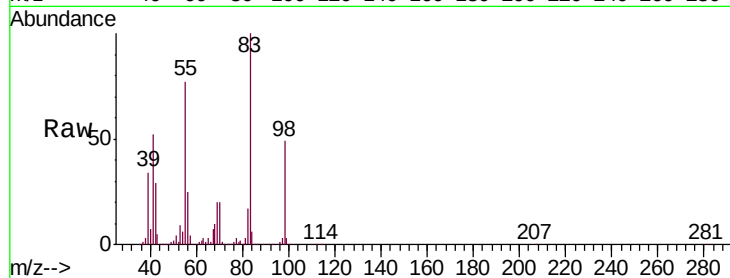
#39
Methylcyclohexane
Concen: 54.333 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	295780		
55	76.6		62.6	93.8
98	49.1		39.4	59.2

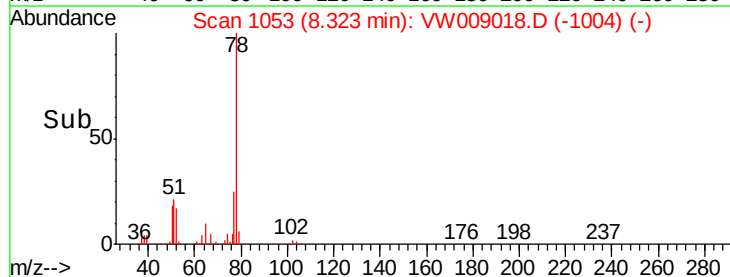
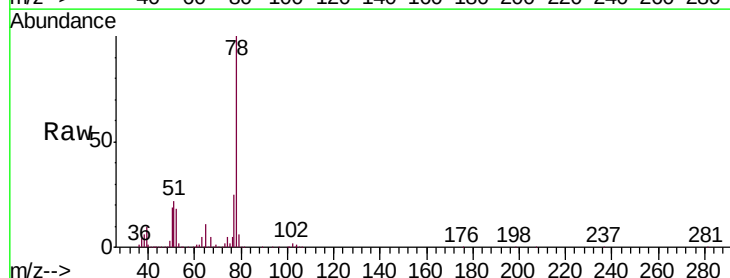
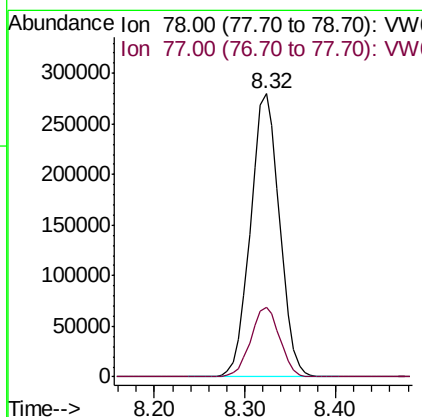
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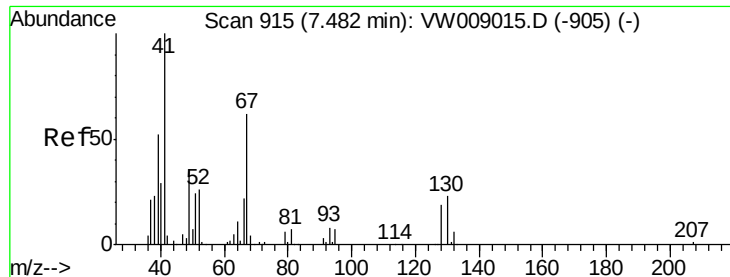
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#40
Benzene
Concen: 50.923 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	618958		
77	24.7		18.9	28.3





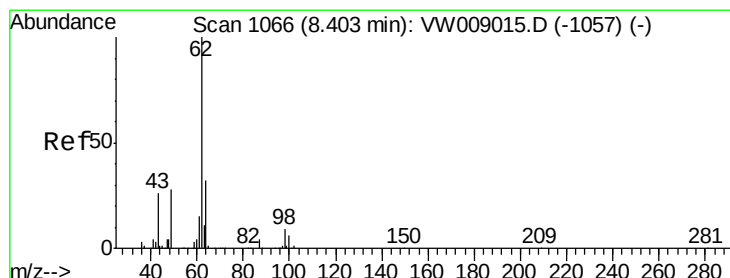
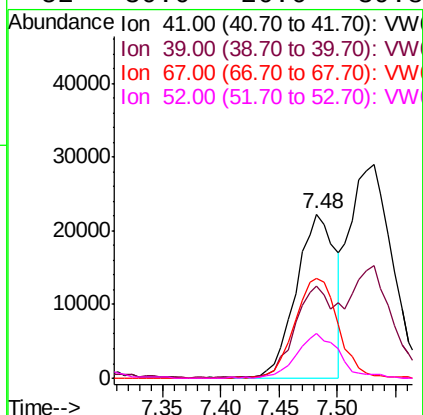
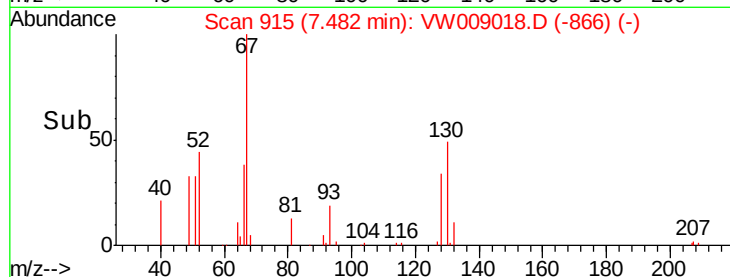
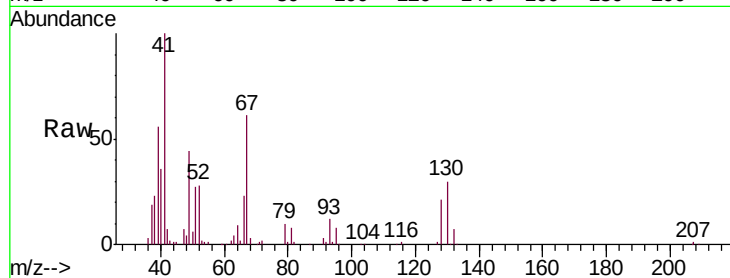
#41
Methacrylonitrile
Concen: 44.204 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampled :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.6	50.6	75.8
67	67.6	59.0	88.6
52	30.0	26.6	39.8

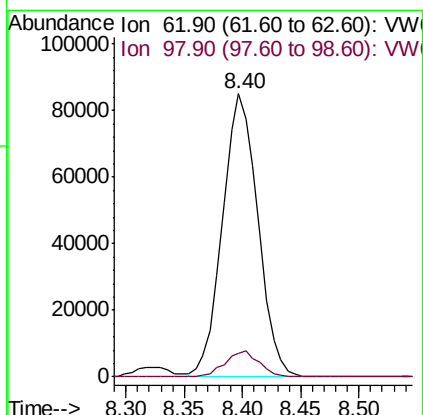
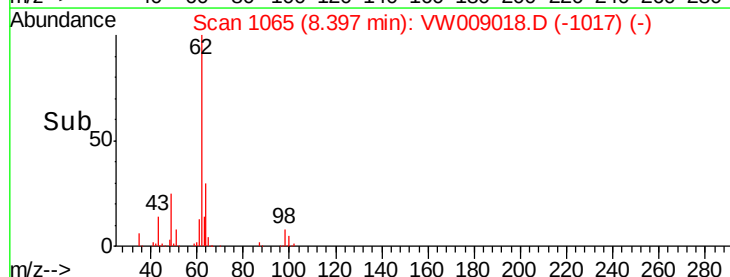
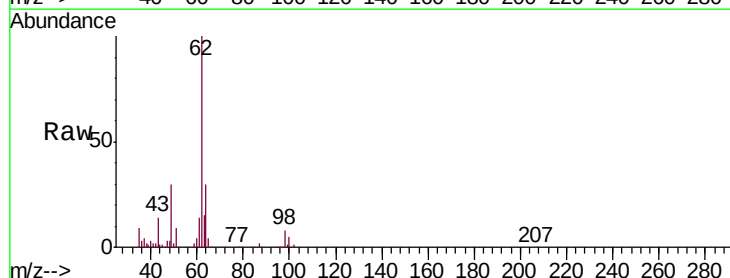
Manual Integrations
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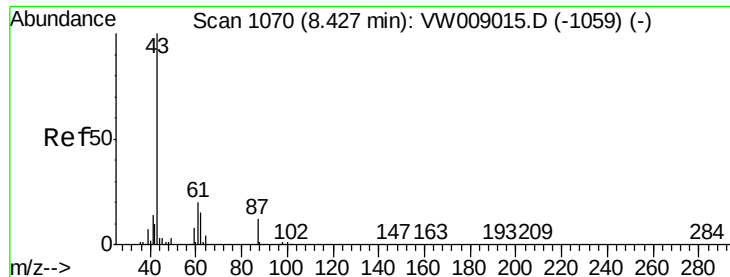
MMDadoda
3/8/2019 12:07:10 AM



#42
1,2-Dichloroethane
Concen: 45.842 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 44.279 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

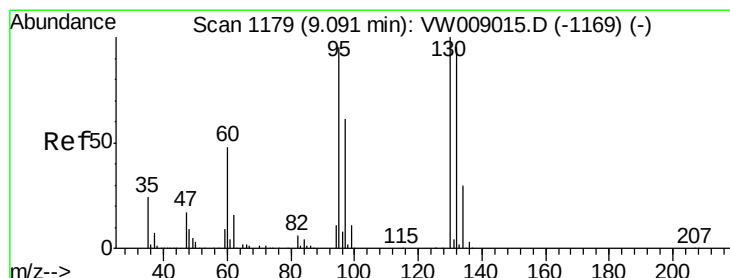
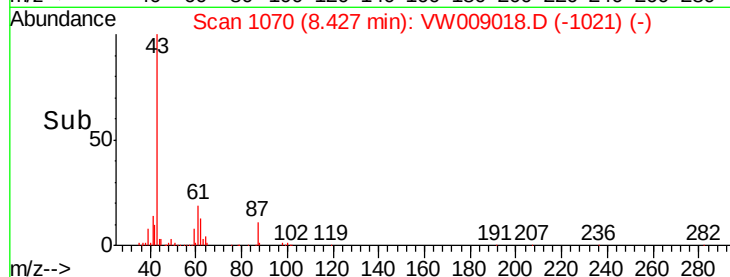
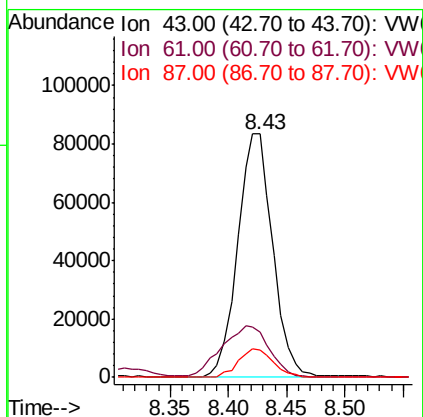
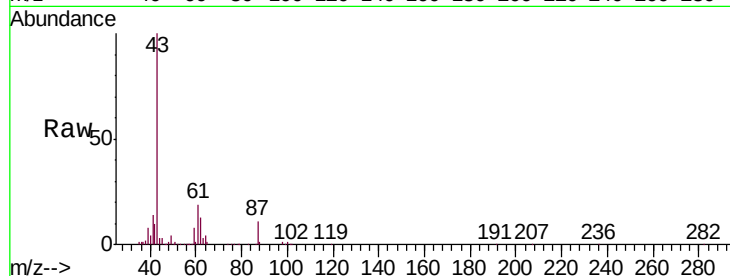
ClientSampleId :

ICVW030619

Tgt Ion:	43	Resp:	173496
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.5	35.3
87	11.8	9.4	14.2

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#44

Trichloroethene

Concen: 50.015 ug/l

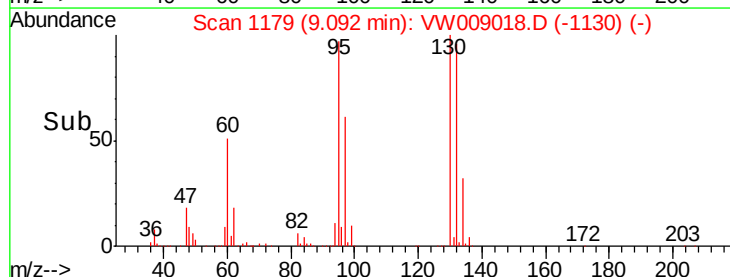
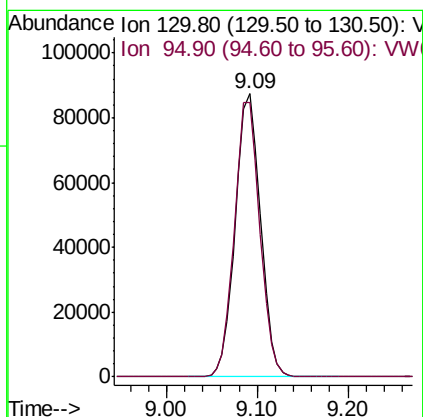
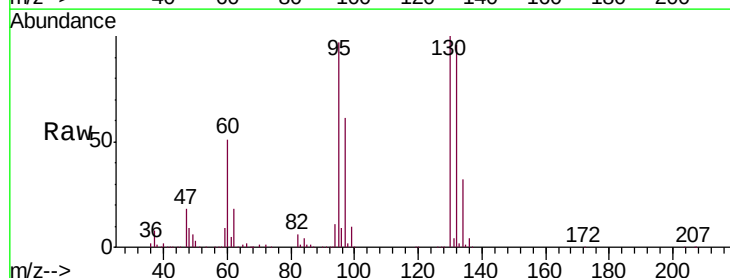
RT: 9.09 min Scan# 1179

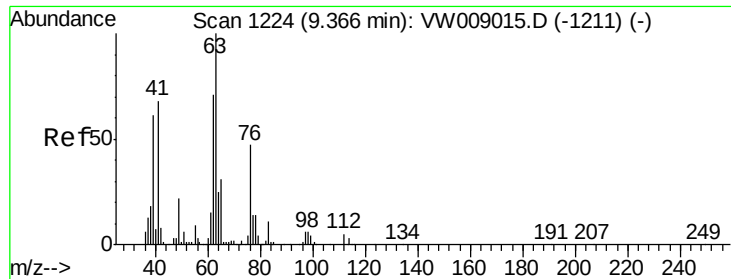
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion:	130	Resp:	169509
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	190.0





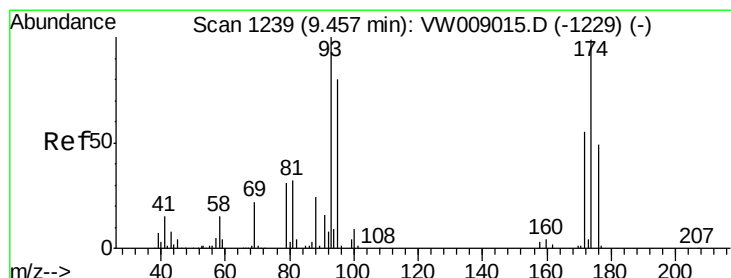
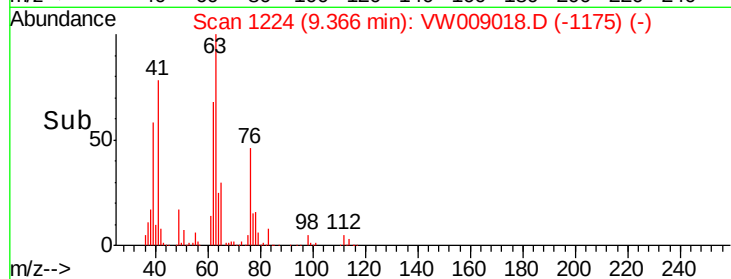
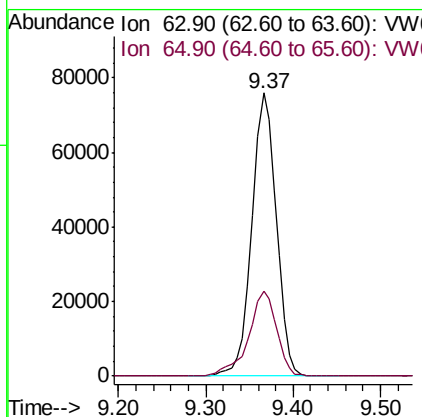
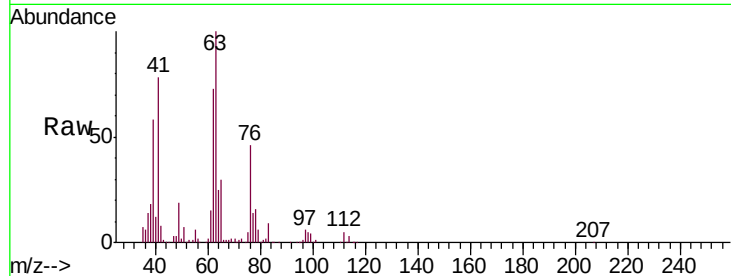
#45
 1,2-Dichloropropane
 Concen: 48.990 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030619

Tgt Ion: 63 Resp: 147619
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4

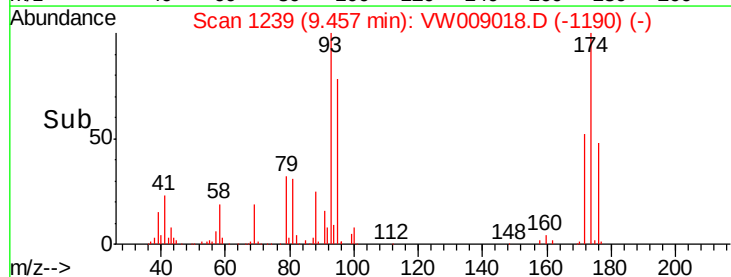
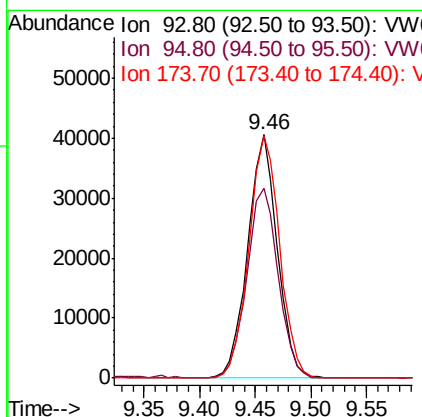
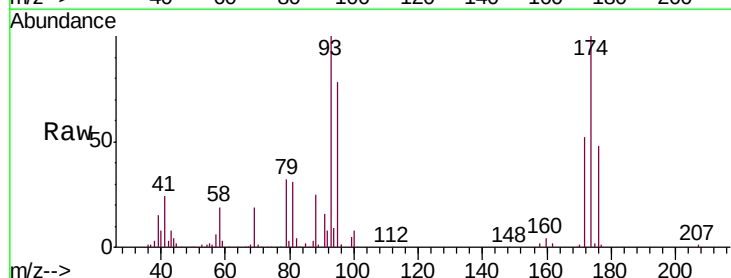
Manual Integrations
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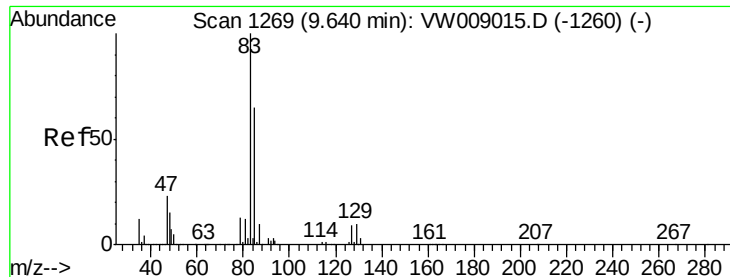
MMDadoda
 3/8/2019 12:07:10 AM



#46
 Dibromomethane
 Concen: 45.279 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Tgt Ion: 93 Resp: 75269
 Ion Ratio Lower Upper
 93 100
 95 82.4 64.1 96.1
 174 103.4 81.3 121.9





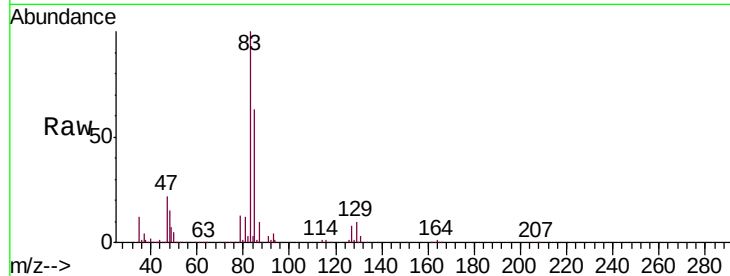
#47
Bromodichloromethane
Concen: 48.343 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

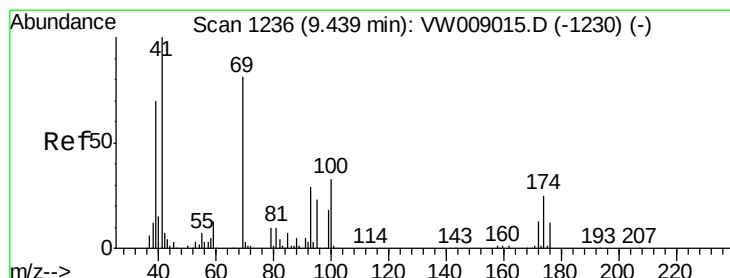
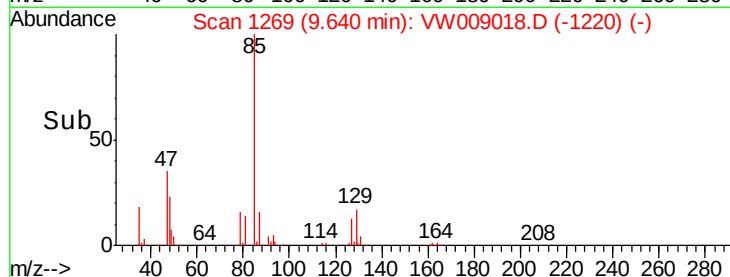
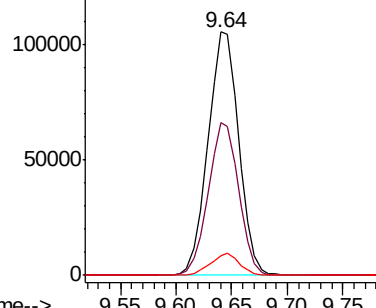
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	201461		
85	62.6	51.9	77.9	
127	8.1	7.0	10.6	

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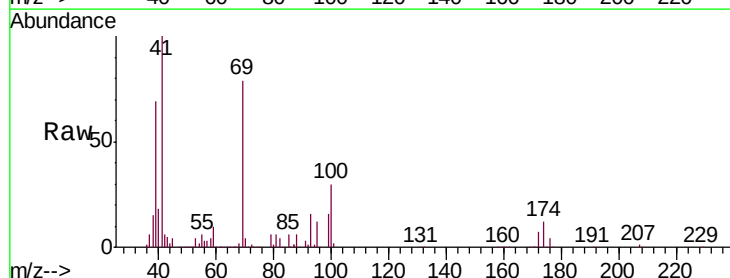


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

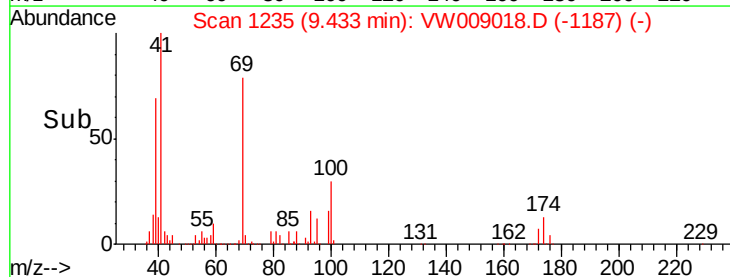
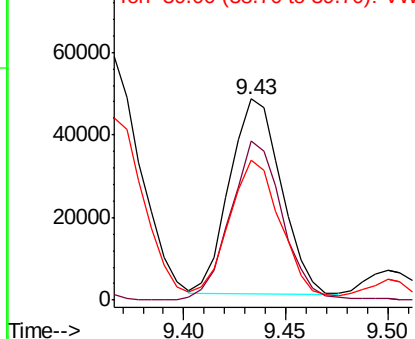


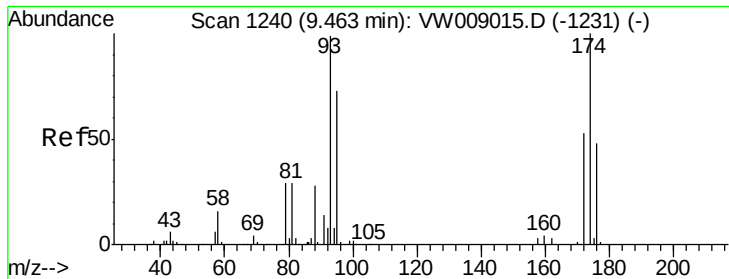
#48
Methyl methacrylate
Concen: 44.761 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	82873		
69	82.2	61.8	92.6	
39	67.7	50.5	75.7	



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 960.704 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

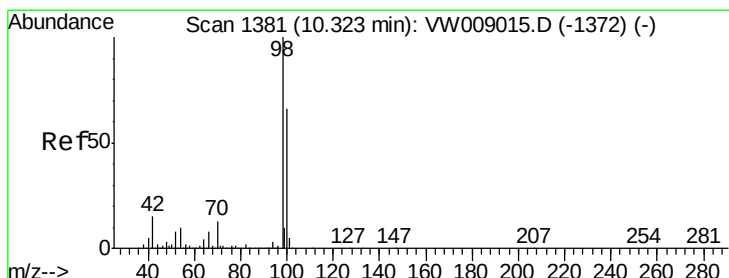
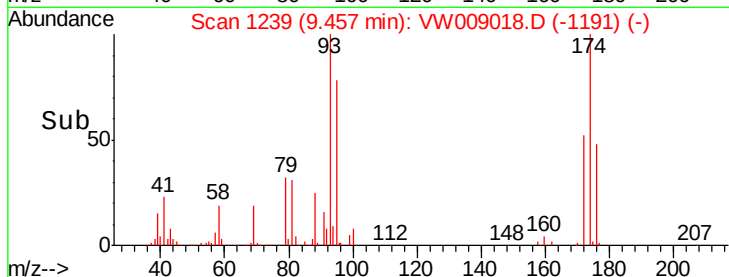
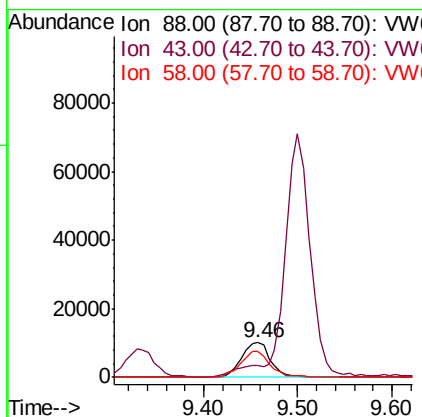
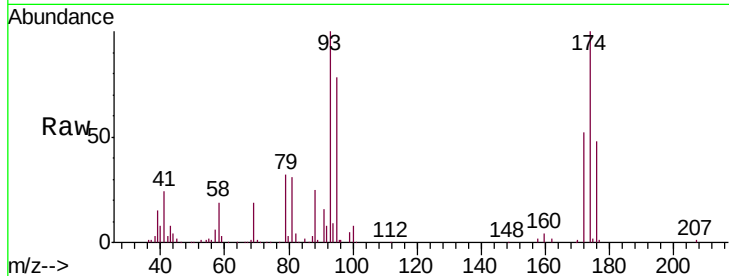
ClientSampleId :

ICVW030619

Tgt Ion:	88	Resp:	21832
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.9	55.0	82.6

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#50

Toluene-d8

Concen: 54.783 ug/l

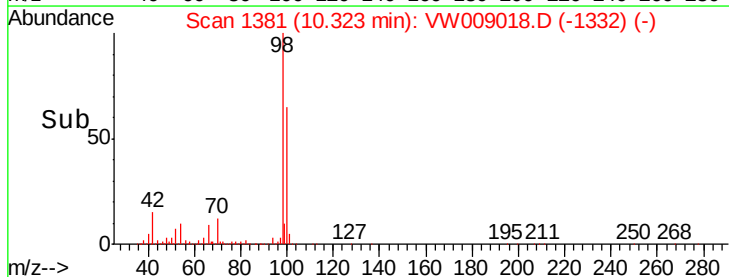
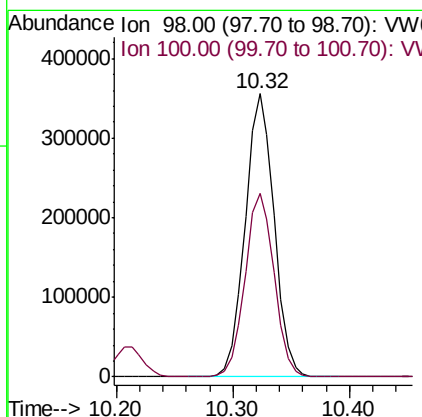
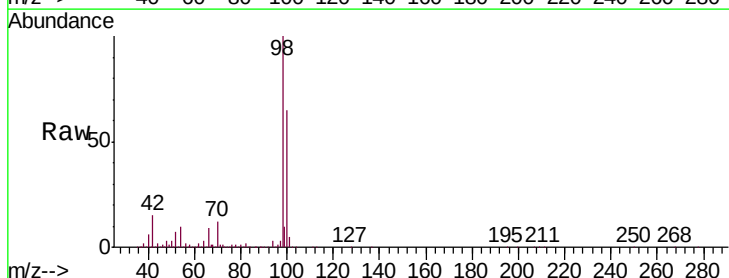
RT: 10.32 min Scan# 1381

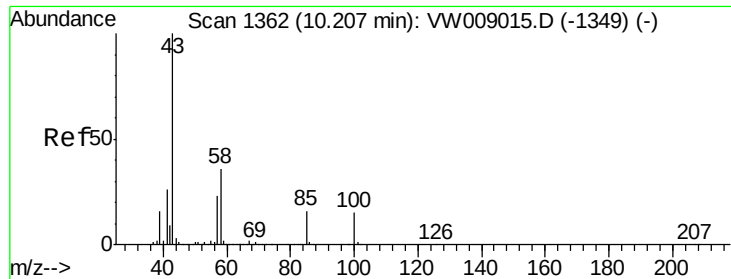
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion:	98	Resp:	614197
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.9	79.3





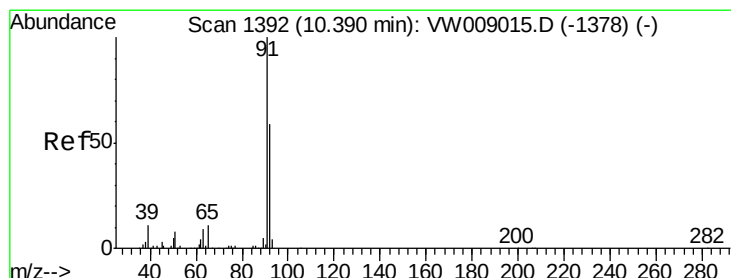
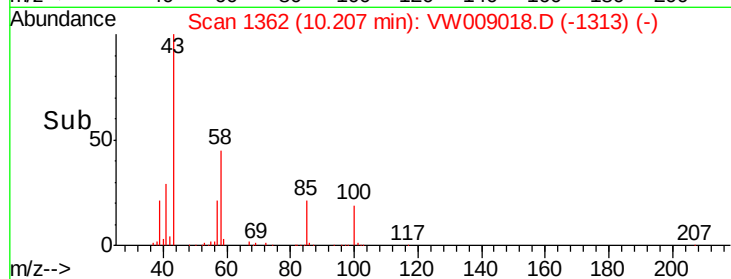
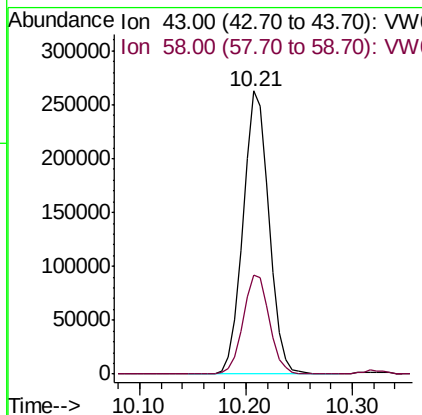
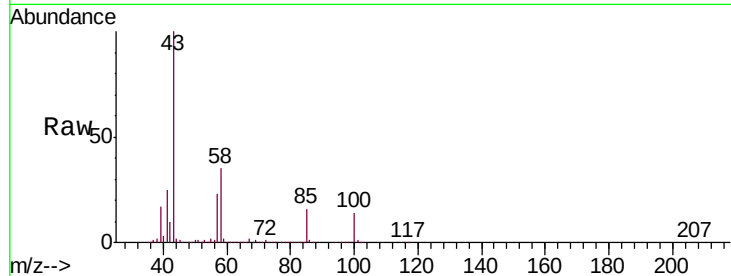
#51
 4-Methyl-2-Pentanone
 Concen: 227.138 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW030619

Tgt Ion: 43 Resp: 450054
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.0 43.4

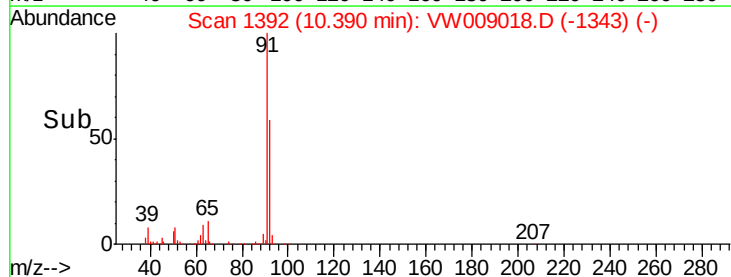
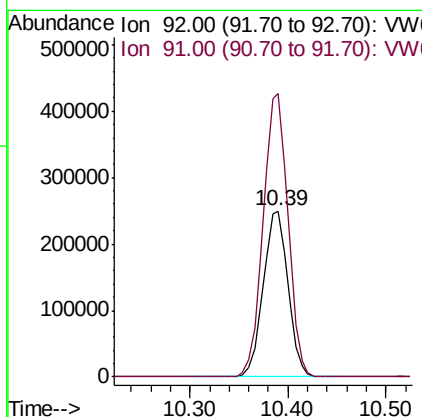
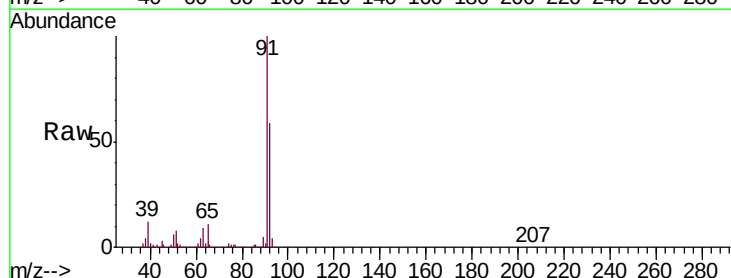
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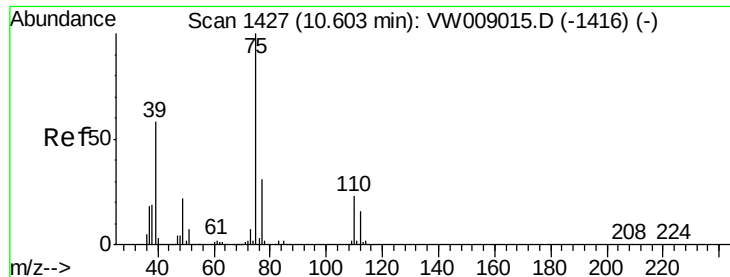
MMDadoda
 3/8/2019 12:07:10 AM



#52
 Toluene
 Concen: 53.254 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Tgt Ion: 92 Resp: 436966
 Ion Ratio Lower Upper
 92 100
 91 171.6 138.1 207.1





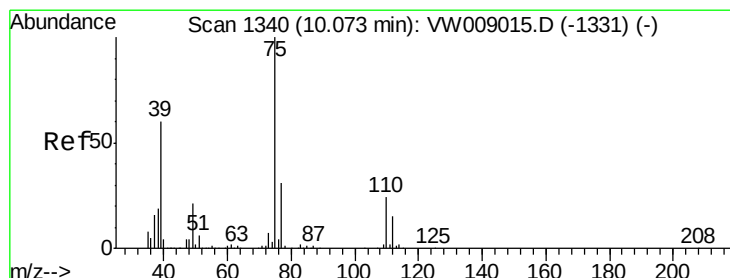
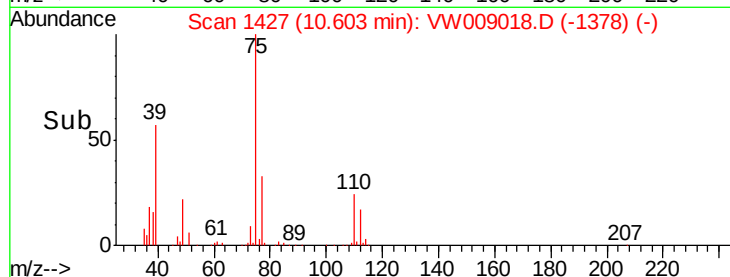
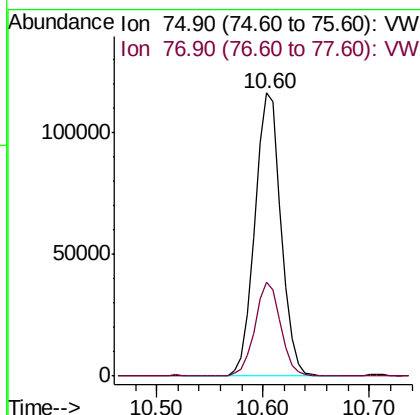
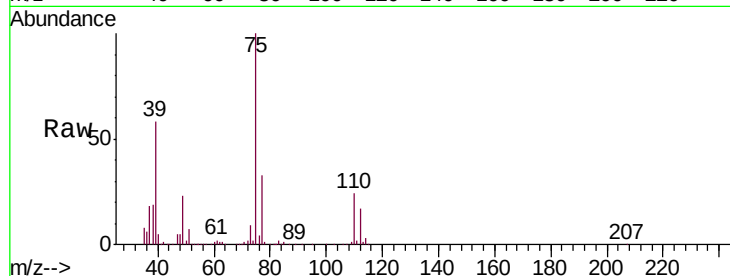
#53
t-1,3-Dichloropropene
Concen: 48.501 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampled :
ICVW030619

Tgt Ion: 75 Resp: 200497
Ion Ratio Lower Upper
75 100
77 33.0 24.8 37.2

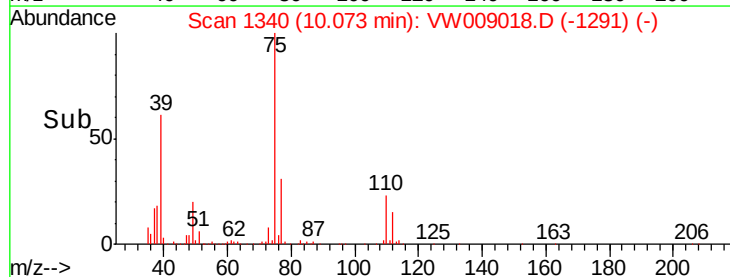
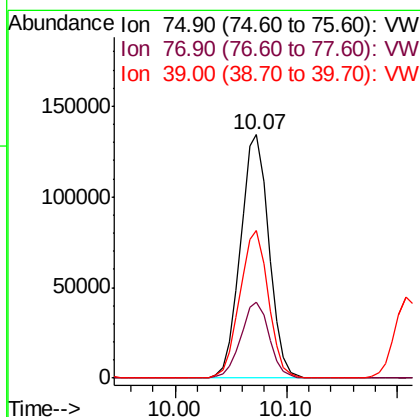
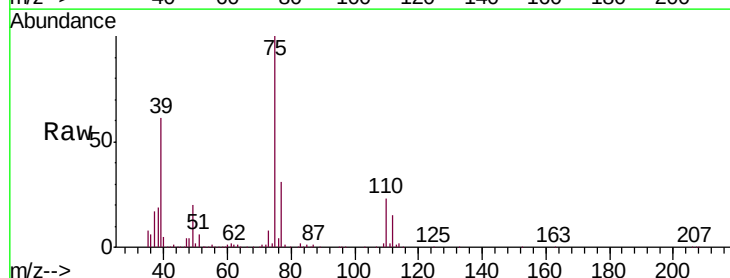
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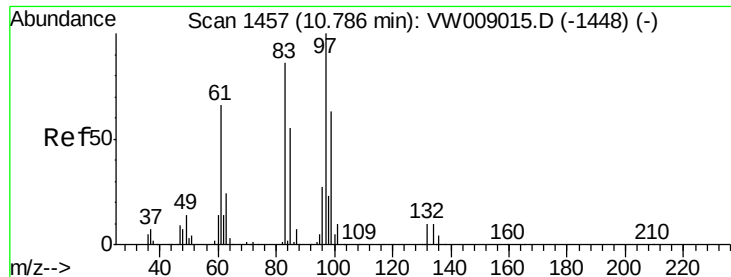
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.360 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion: 75 Resp: 237657
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4
39 60.5 48.2 72.2





#55

1,1,2-Trichloroethane

Concen: 45.967 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

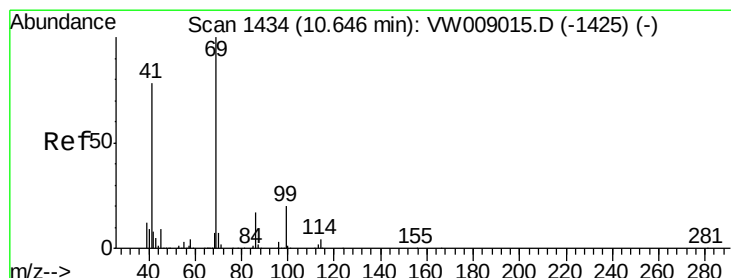
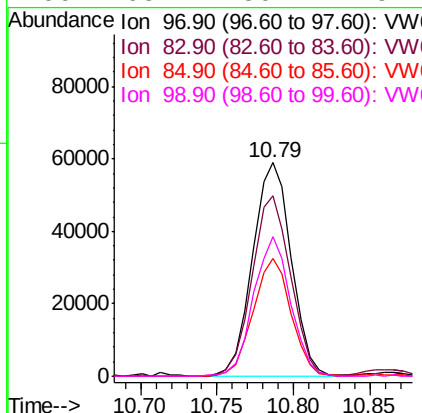
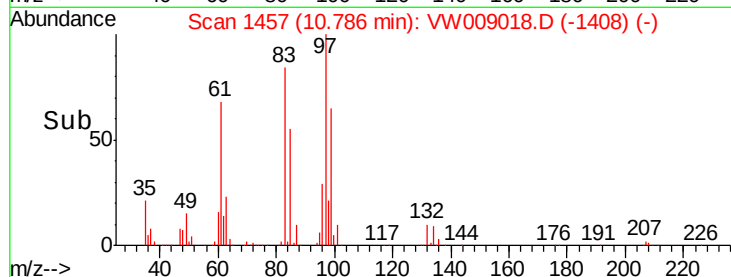
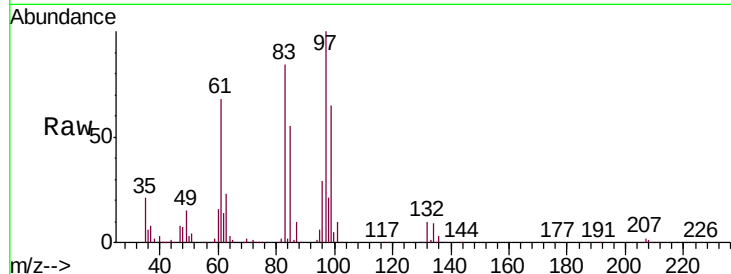
ClientSampleId :

ICVW030619

Tgt Ion:	97	Resp:	103786
Ion	Ratio	Lower	Upper
97	100		
83	84.3	68.8	103.2
85	55.0	43.7	65.5
99	65.2	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.908 ug/l

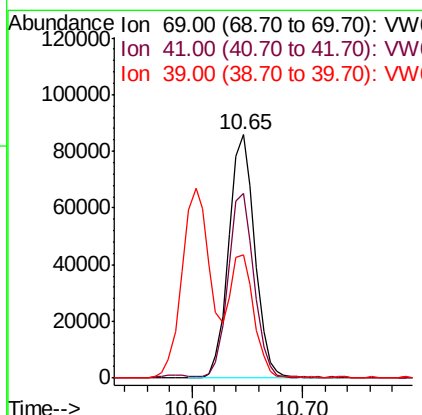
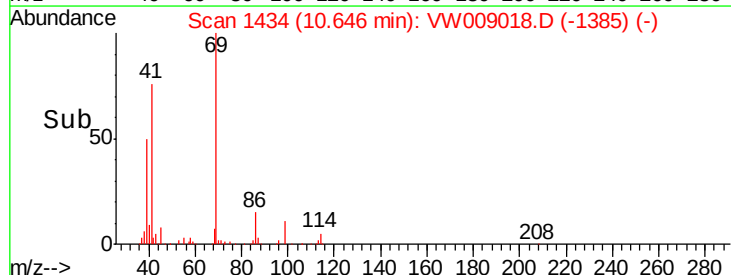
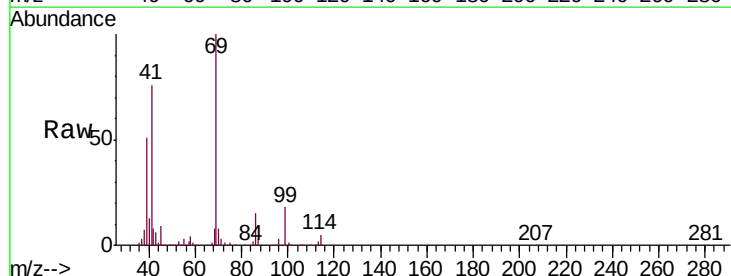
RT: 10.65 min Scan# 1434

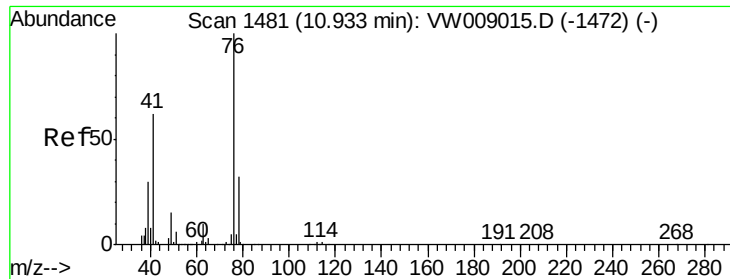
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion:	69	Resp:	139385
Ion	Ratio	Lower	Upper
69	100		
41	74.5	58.9	88.3
39	45.7	37.6	56.4





#57

1,3-Dichloropropane

Concen: 46.547 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 76 Resp: 184814

Ion Ratio Lower Upper

76 100

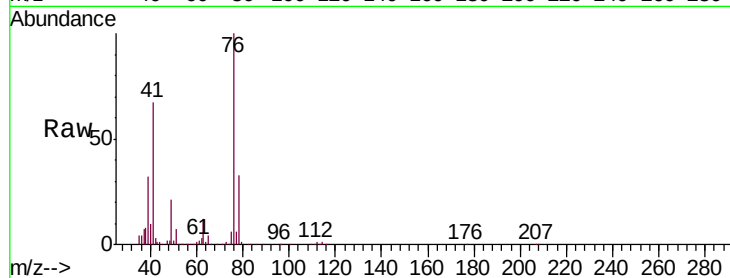
78 32.3 25.6 38.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

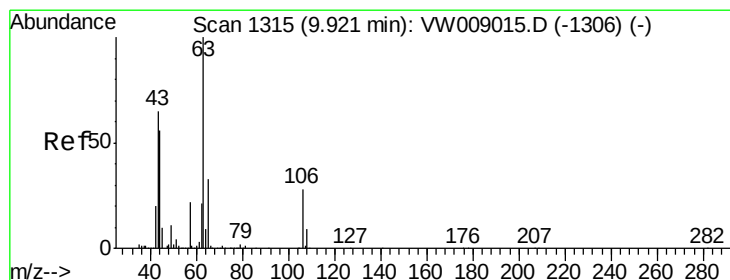
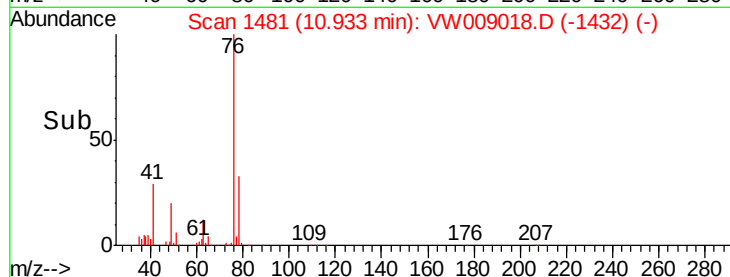
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 221.674 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009018.D

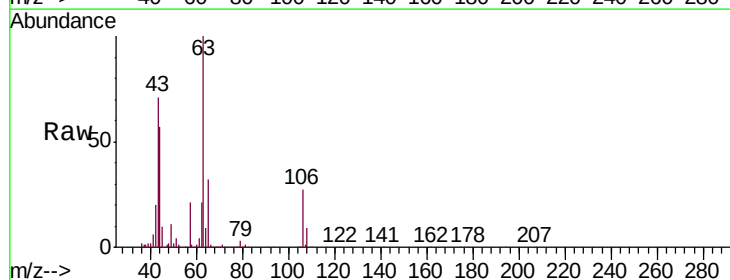
Acq: 06 Mar 2019 15:30

Tgt Ion: 63 Resp: 328512

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

200000

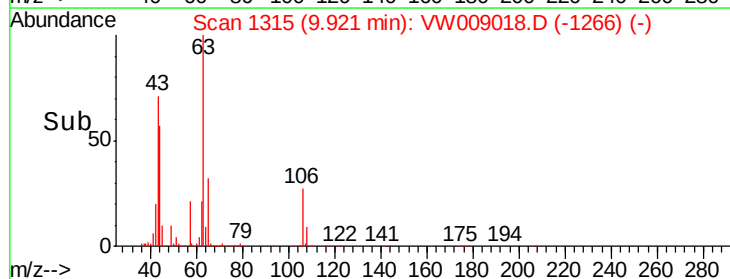
150000

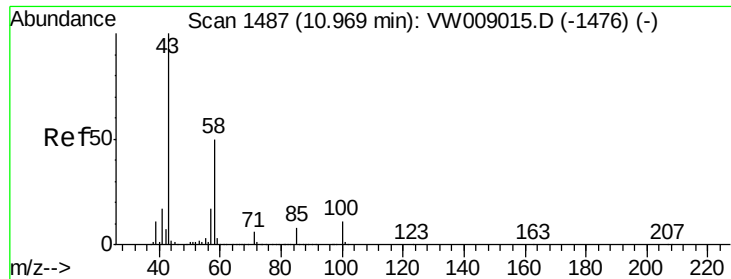
100000

50000

0

Time--> 9.80 9.90 10.00





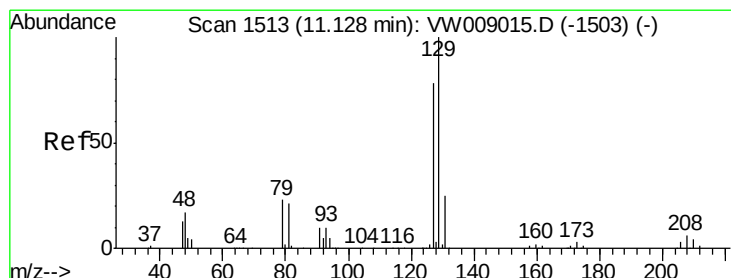
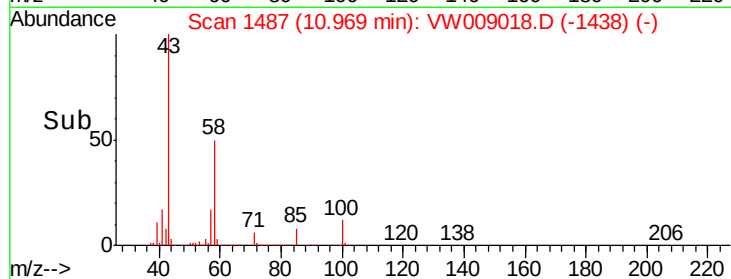
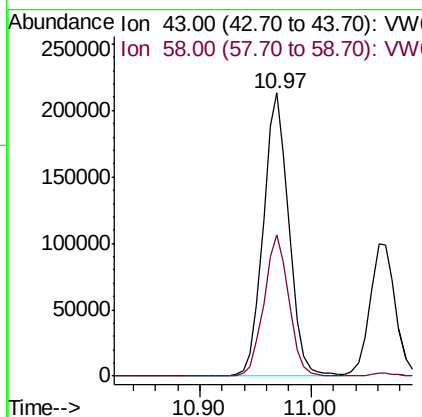
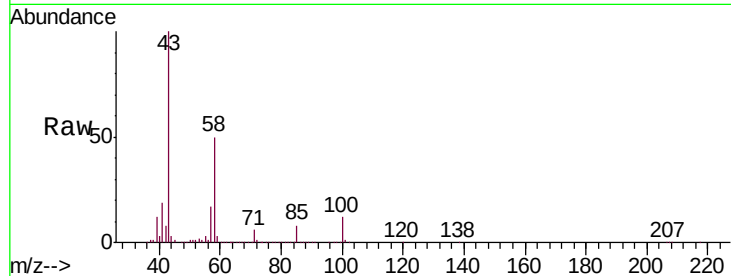
#59
2-Hexanone
Concen: 244.986 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion: 43 Resp: 341251
Ion Ratio Lower Upper
43 100
58 48.7 25.3 75.8

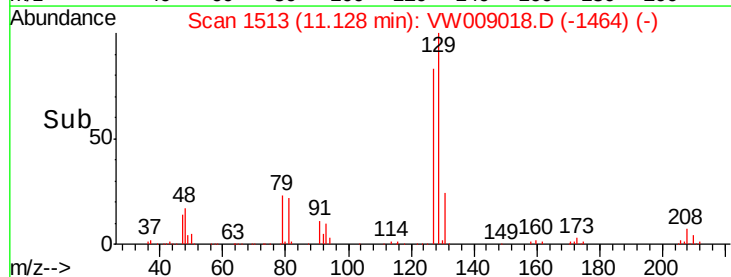
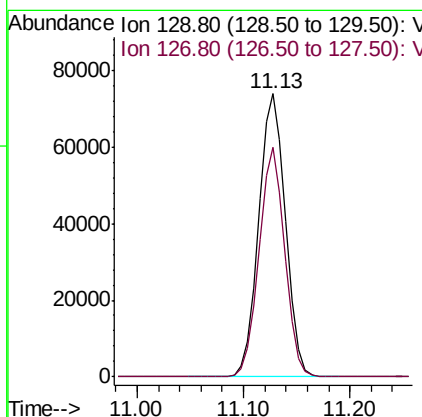
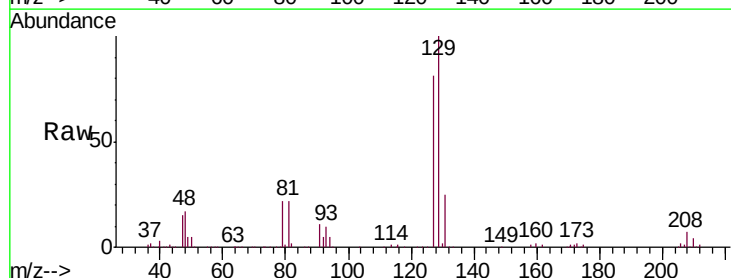
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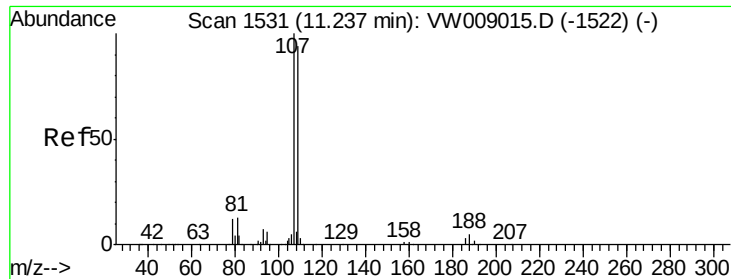
MMDadoda
3/8/2019 12:07:10 AM



#60
Dibromochloromethane
Concen: 47.389 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion: 129 Resp: 129960
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 47.418 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 107 Resp: 101476

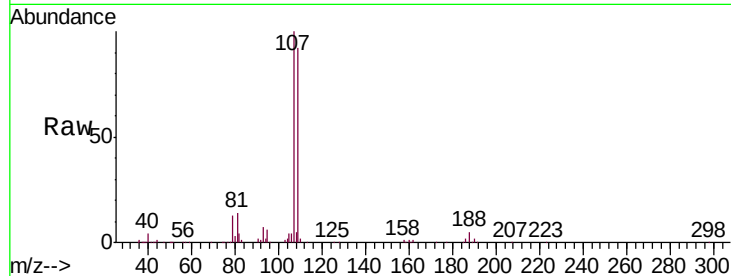
Ion Ratio Lower Upper

107 100

109 93.5 75.7 113.5

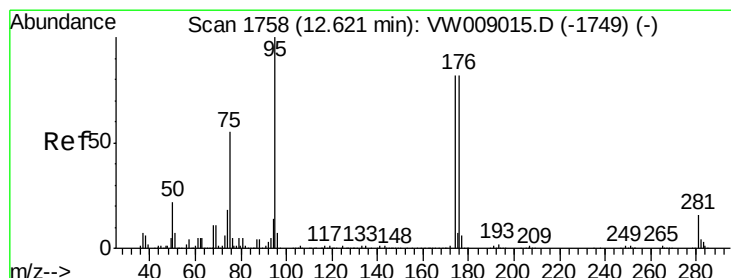
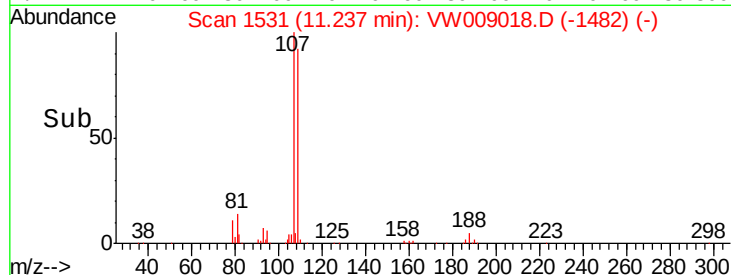
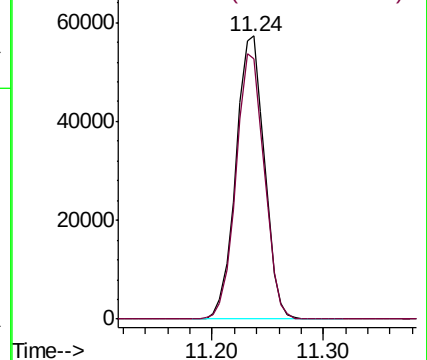
Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.528 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

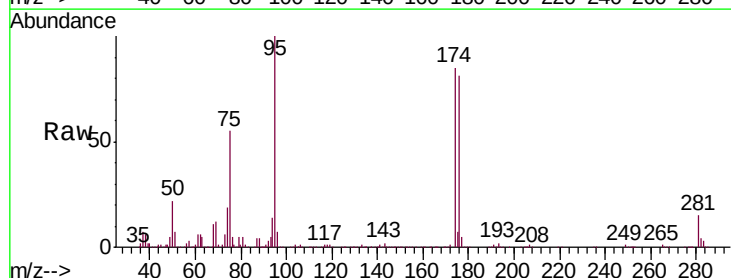
Tgt Ion: 95 Resp: 227443

Ion Ratio Lower Upper

95 100

174 83.0 0.0 165.8

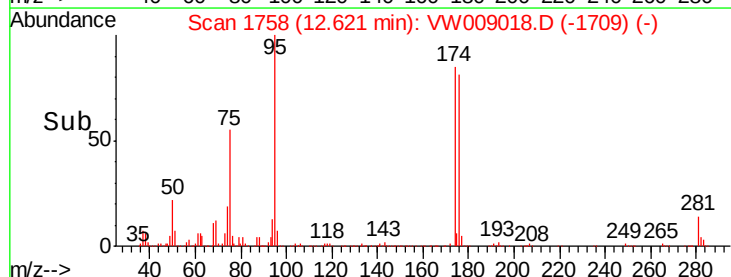
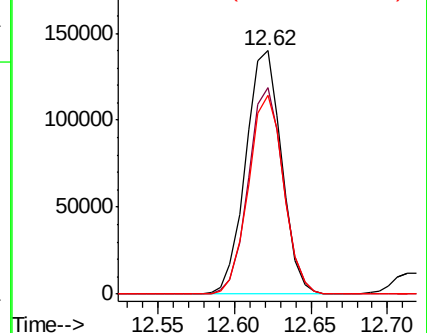
176 80.5 0.0 159.8

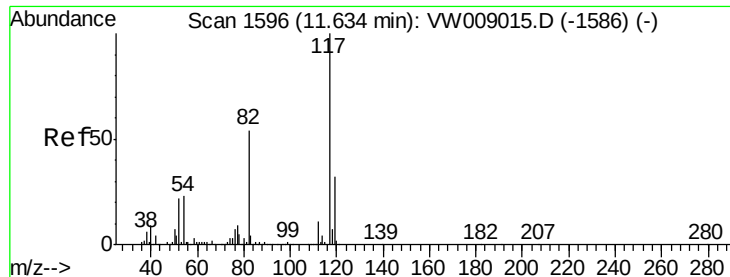


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





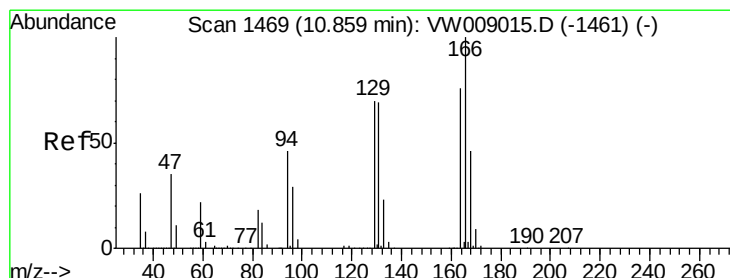
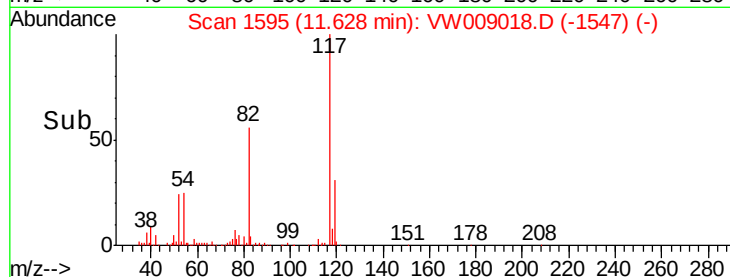
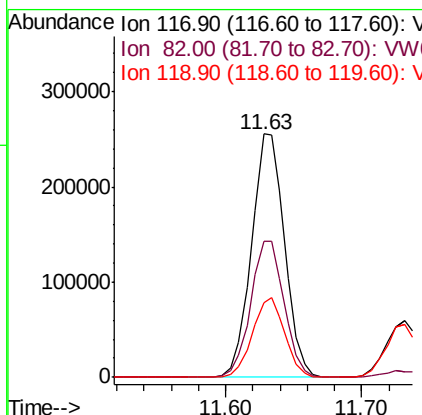
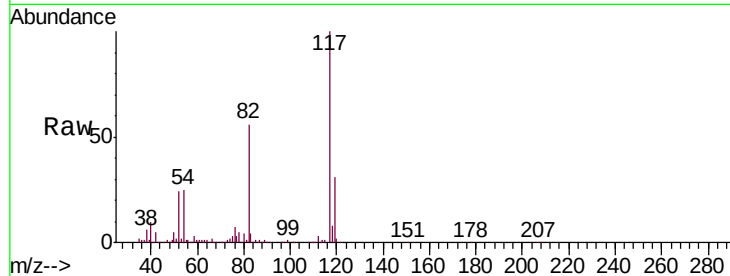
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	435858		
82	55.8	43.4	65.2	
119	30.5	25.8	38.8	

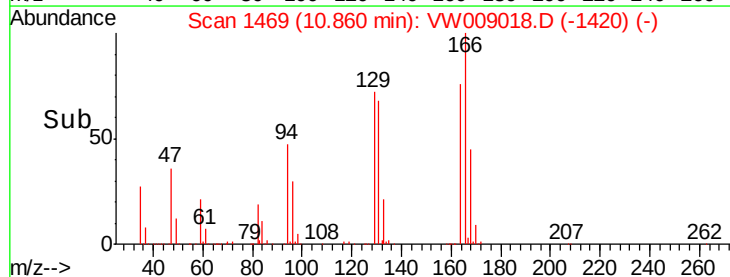
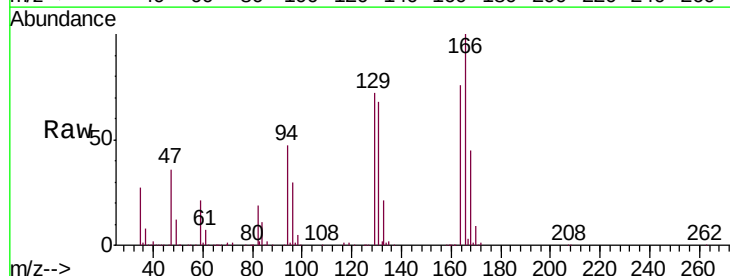
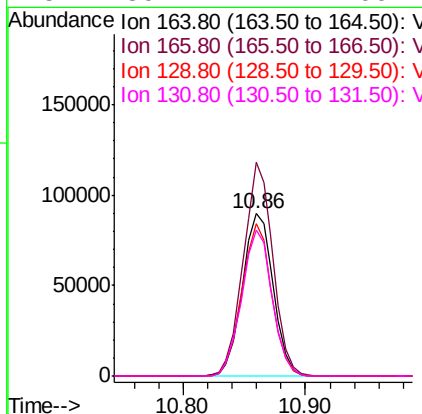
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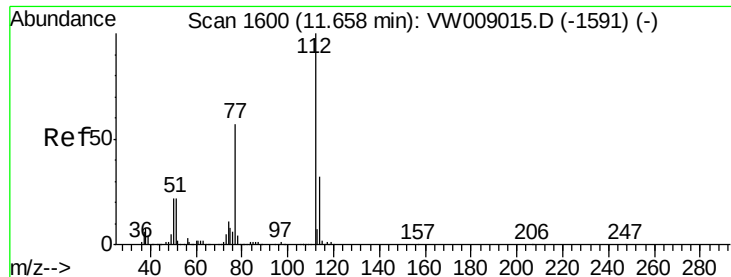
MMDadoda
3/8/2019 12:07:10 AM



#64
Tetrachloroethene
Concen: 52.136 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	156901		
166	131.4	104.6	157.0	
129	94.0	73.4	110.2	
131	89.7	72.7	109.1	





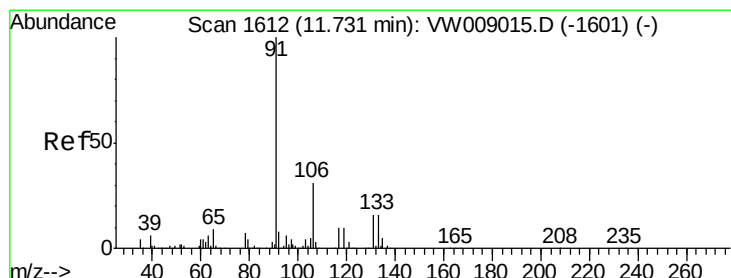
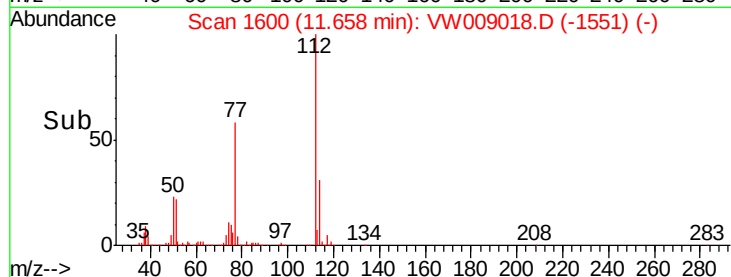
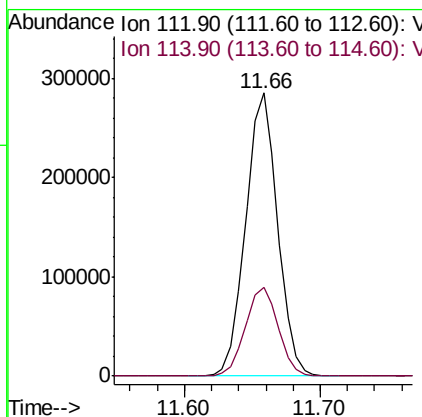
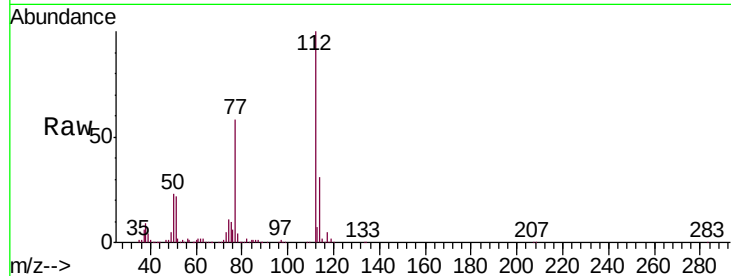
#65
Chlorobenzene
Concen: 51.798 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.5	38.3

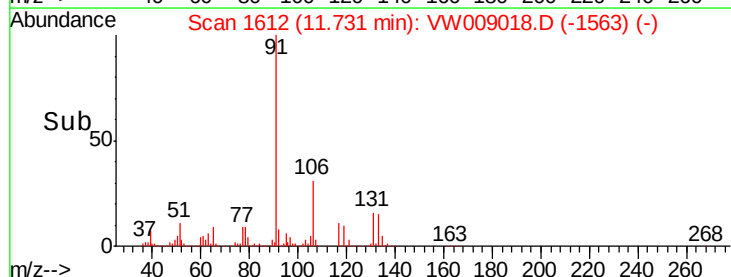
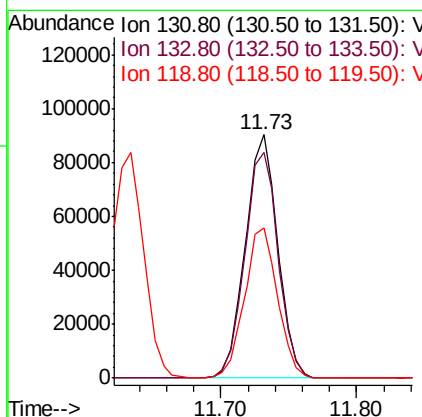
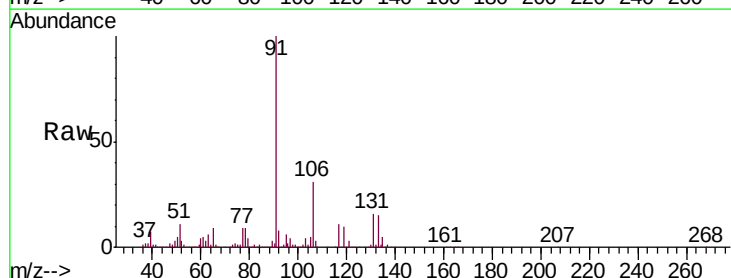
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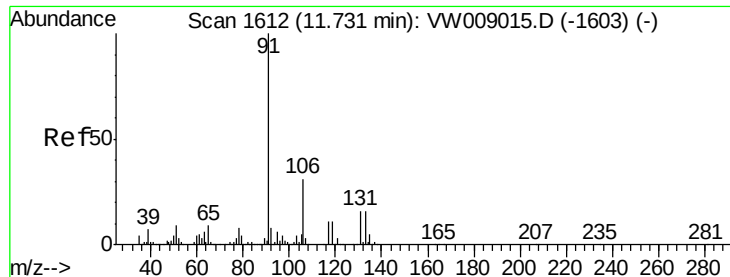
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.623 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.1	144.3
119	63.0	31.1	93.5





#67

Ethyl Benzene

Concen: 53.852 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 91 Resp: 883330

Ion Ratio Lower Upper

91 100

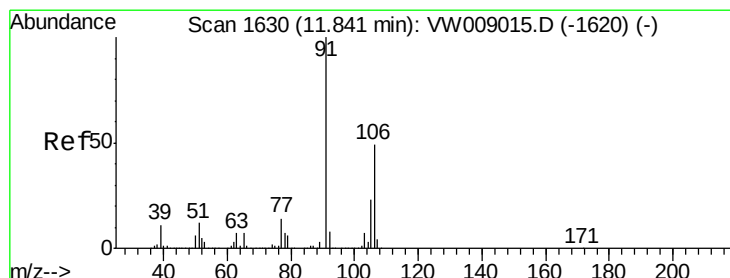
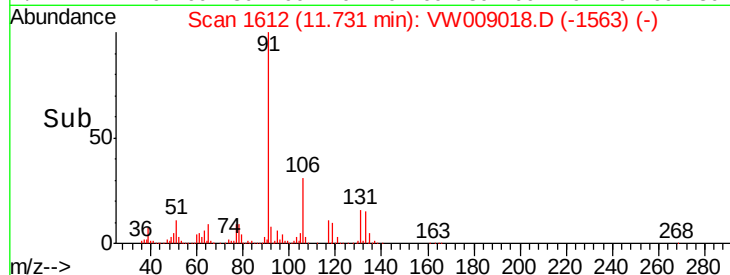
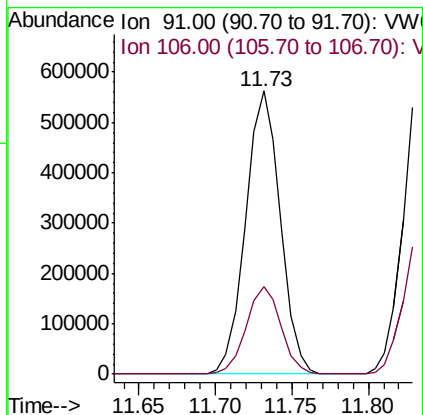
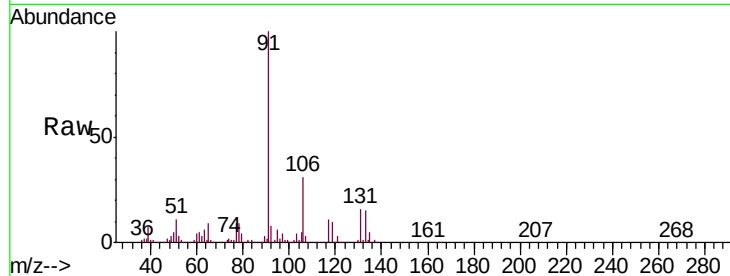
106 31.0 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 106.955 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009018.D

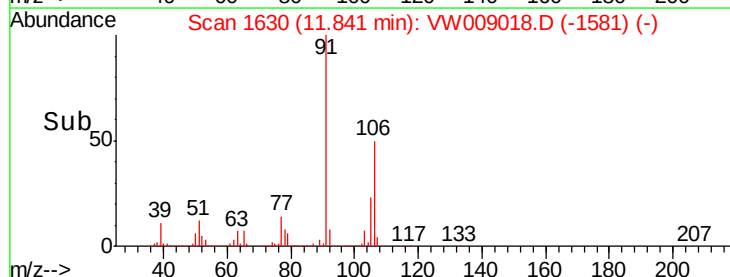
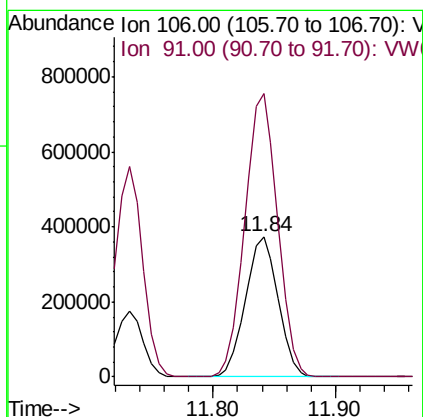
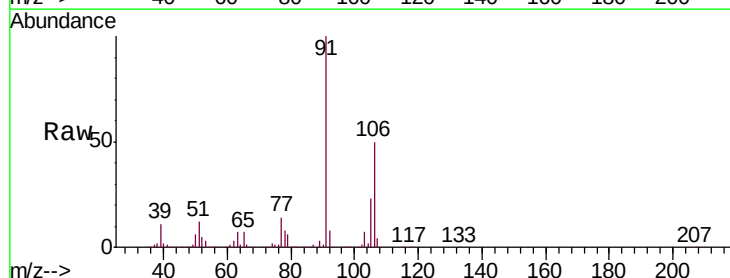
Acq: 06 Mar 2019 15:30

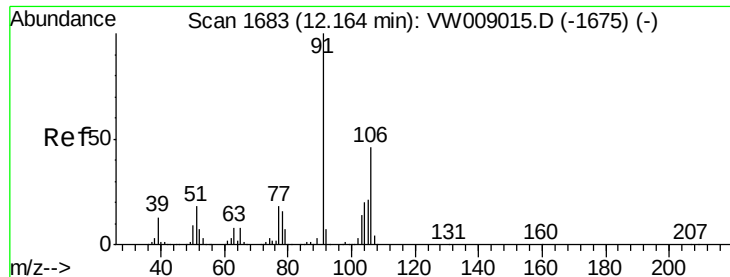
Tgt Ion: 106 Resp: 692245

Ion Ratio Lower Upper

106 100

91 202.8 162.9 244.3





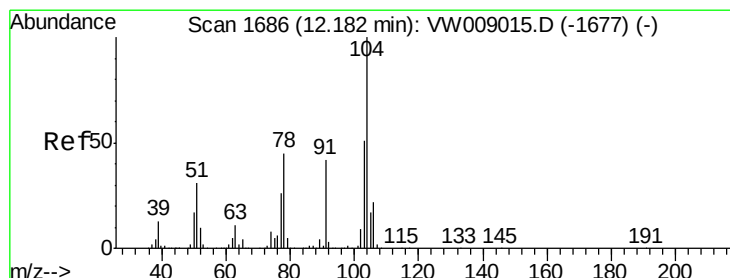
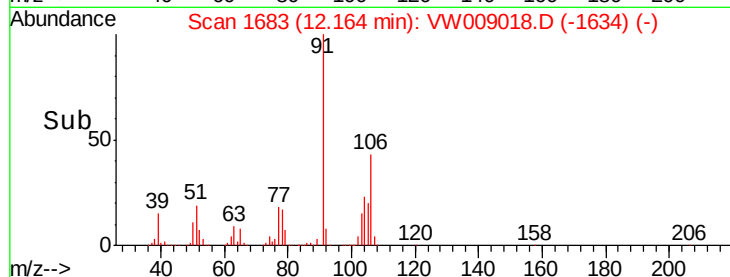
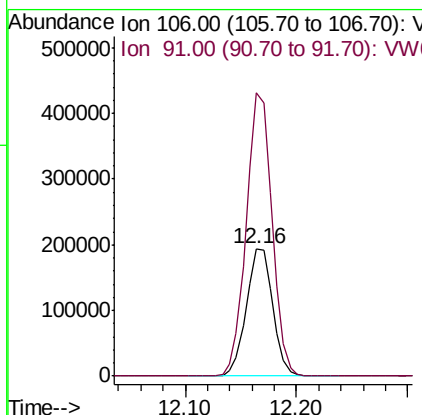
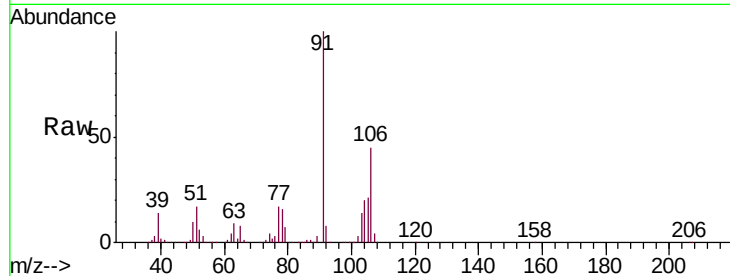
#69
o-Xylene
Concen: 53.014 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
106	100		
91	217.4	107.4	322.2

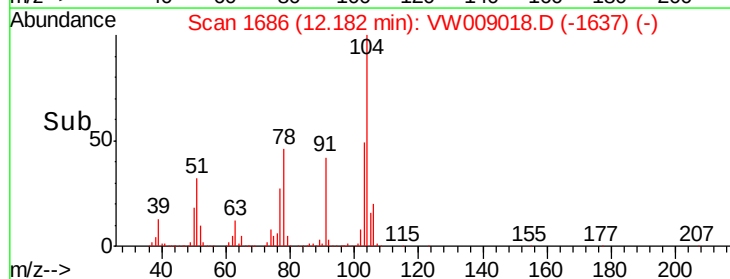
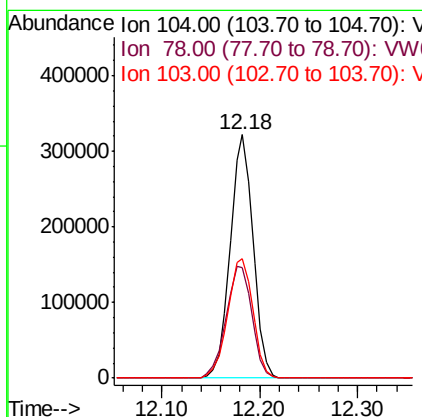
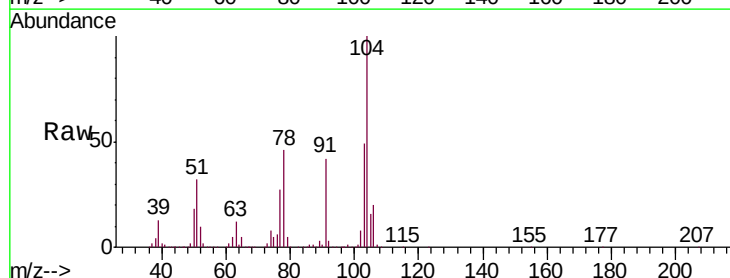
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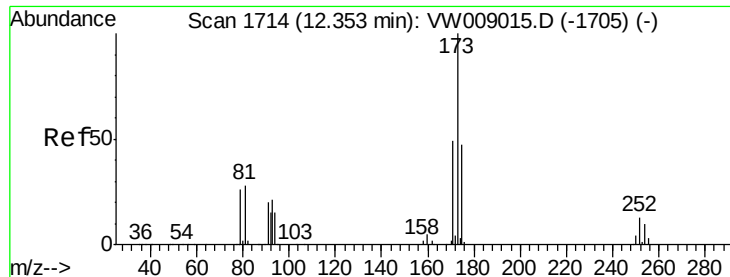
MMDadoda
3/8/2019 12:07:10 AM



#70
Styrene
Concen: 53.204 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.9	62.9
103	54.5	44.9	67.3





#71

Bromoform

Concen: 46.147 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

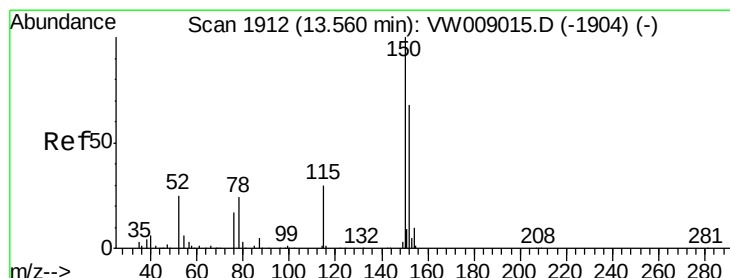
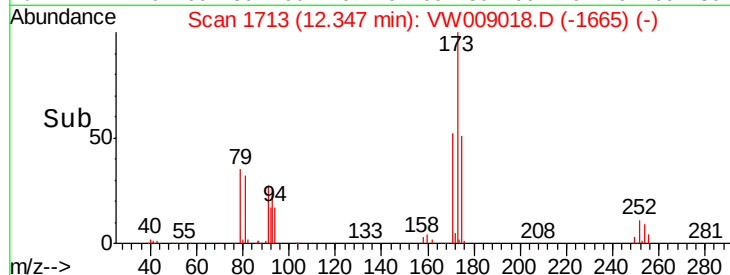
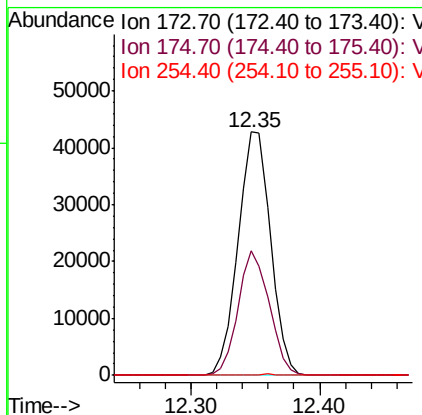
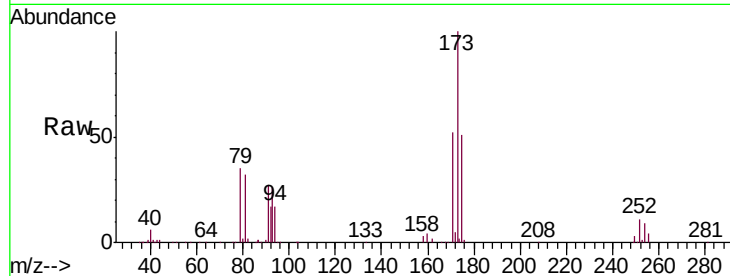
ClientSampled :

ICVW030619

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.3	69.9
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

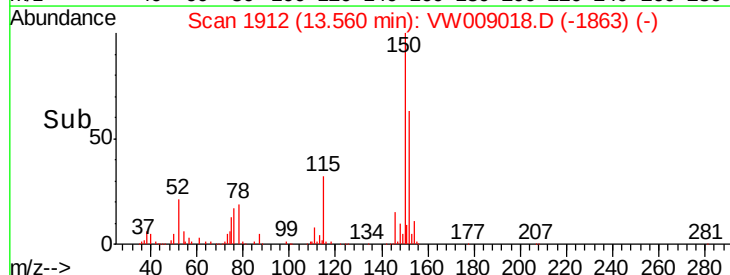
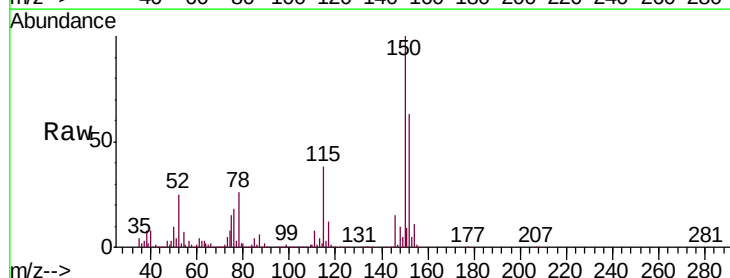
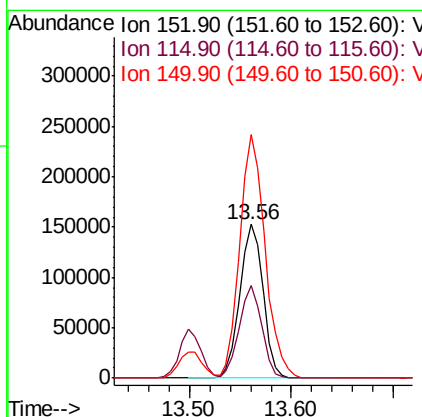
RT: 13.56 min Scan# 1912

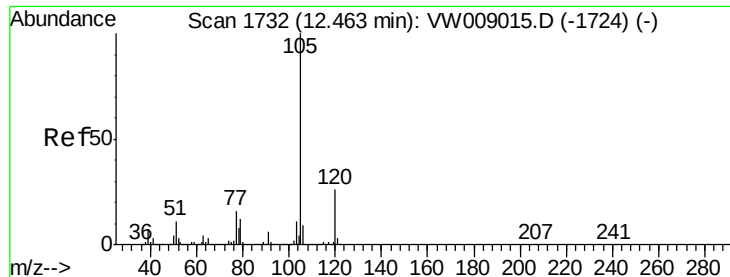
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	87.8
150	173.3	0.0	348.6





#73

Isopropylbenzene

Concen: 55.656 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 105 Resp: 911049

Ion Ratio Lower Upper

105 100

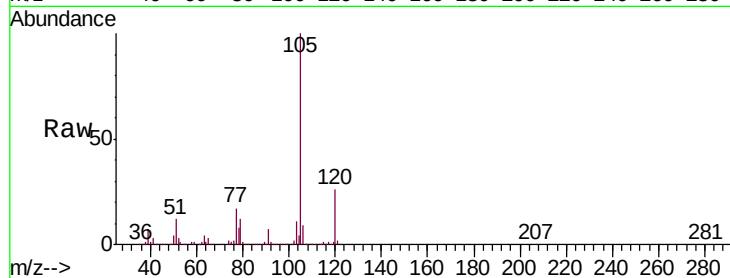
120 26.4 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

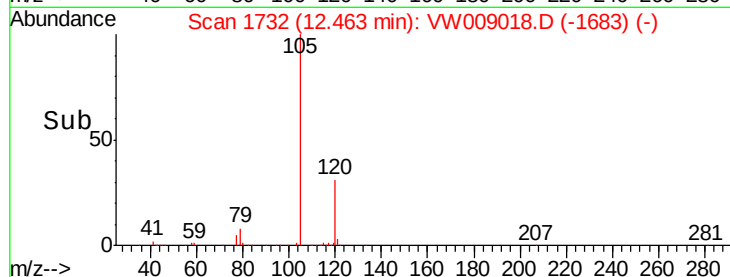
600000

400000

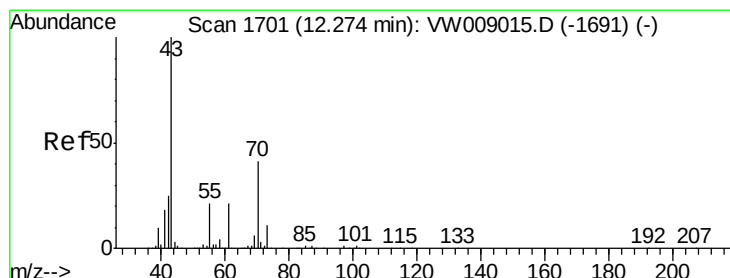
200000

0

Time-->



Time-->



#74

N-ethyl acetate

Concen: 44.914 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion: 43 Resp: 193272

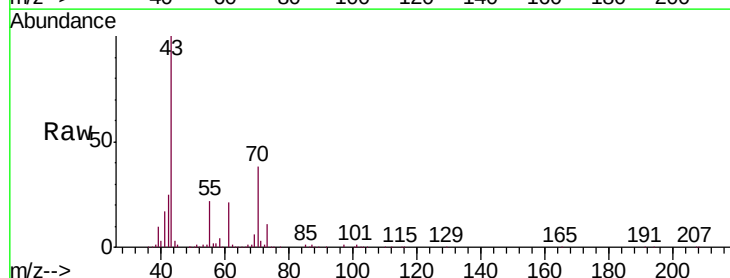
Ion Ratio Lower Upper

43 100

70 37.9 31.2 46.8

55 22.8 18.0 27.0

61 21.8 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

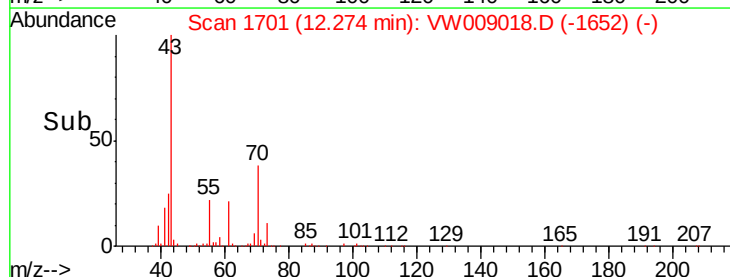
150000

100000

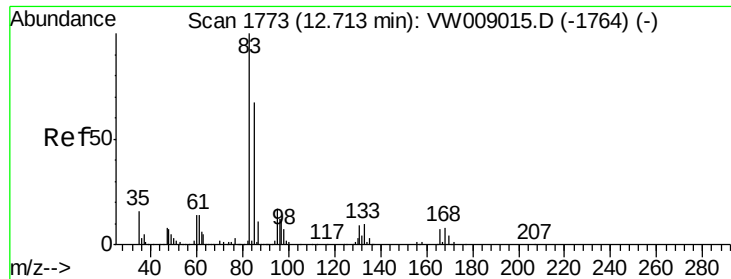
50000

0

Time-->



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 46.053 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW030619

Tgt Ion: 83 Resp: 117582
Ion Ratio Lower Upper

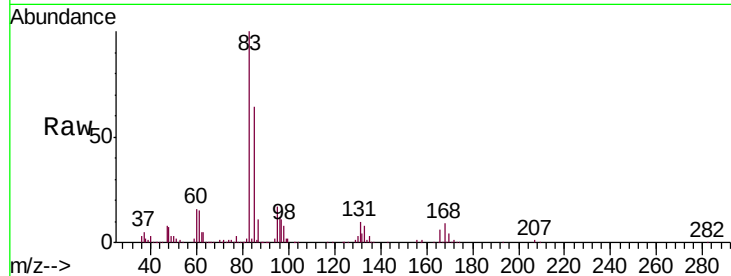
83 100

131 11.2 5.5 16.7

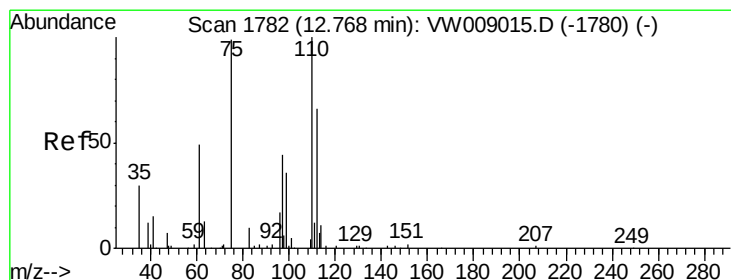
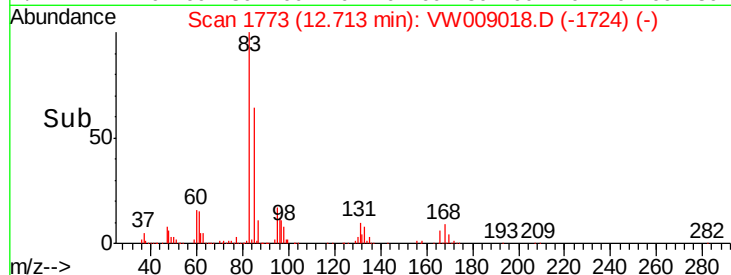
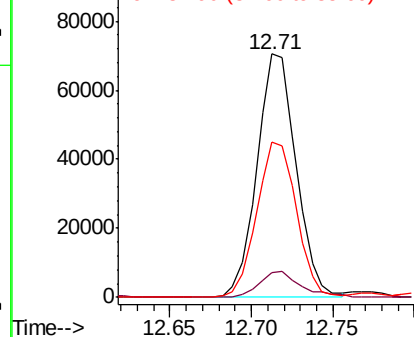
85 64.5 32.8 98.3

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 45.865 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

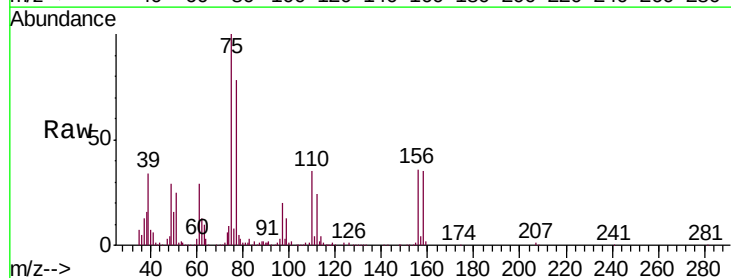
Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

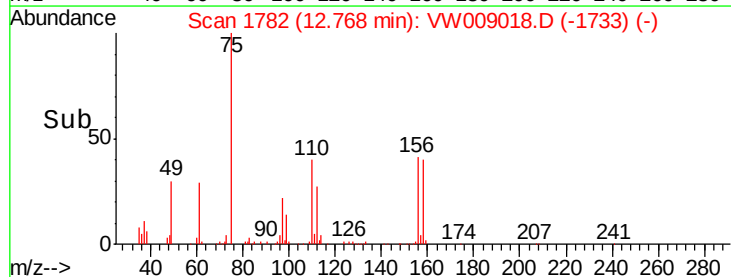
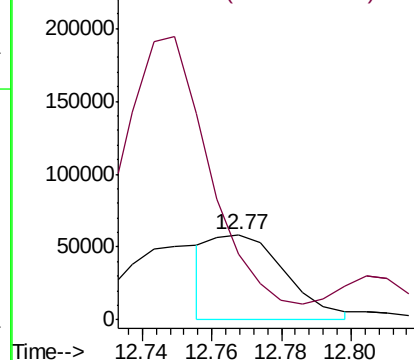
Tgt Ion: 75 Resp: 86930
Ion Ratio Lower Upper

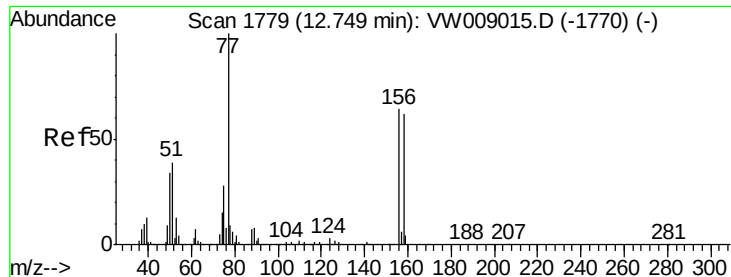
75 100

77 408.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.730 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Instrument :

MSVOA_W

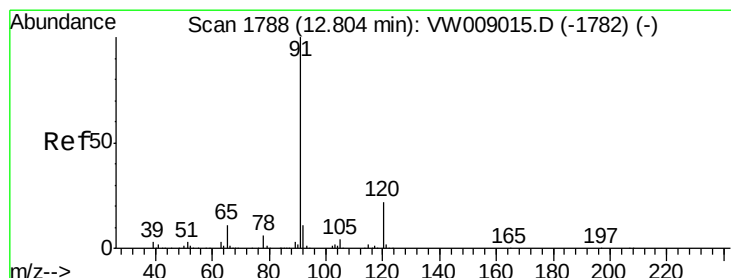
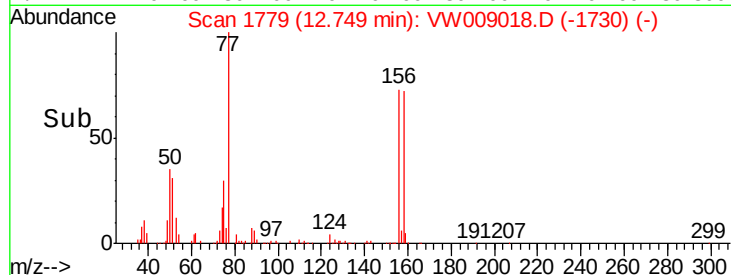
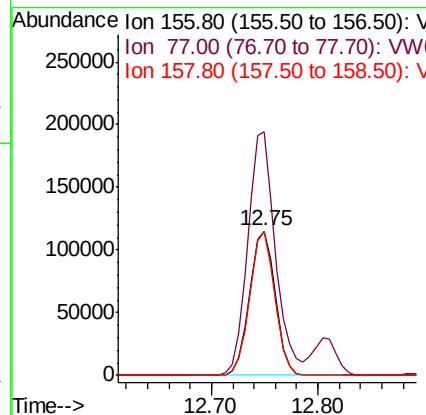
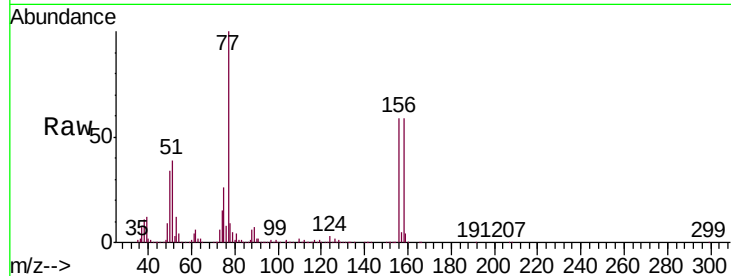
ClientSampled :

ICVW030619

Tgt Ion:	156	Resp:	195400
Ion Ratio	Lower	Upper	
156	100		
77	181.6	91.6	274.9
158	96.6	48.8	146.4

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#78

n-propylbenzene

Concen: 56.071 ug/l

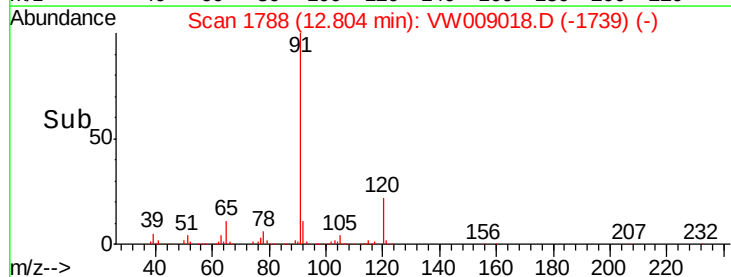
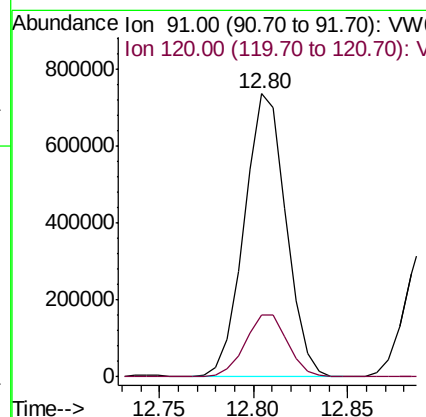
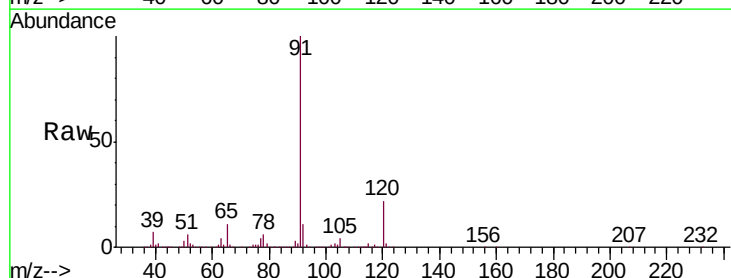
RT: 12.80 min Scan# 1788

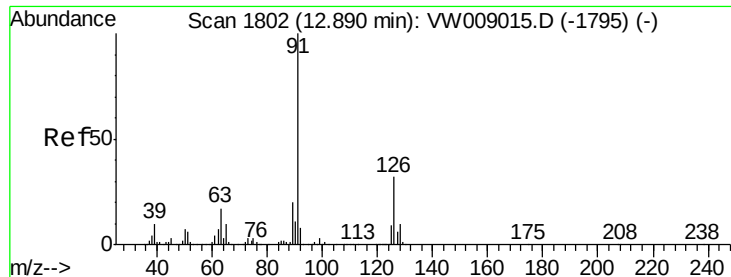
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion:	91	Resp:	1126795
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





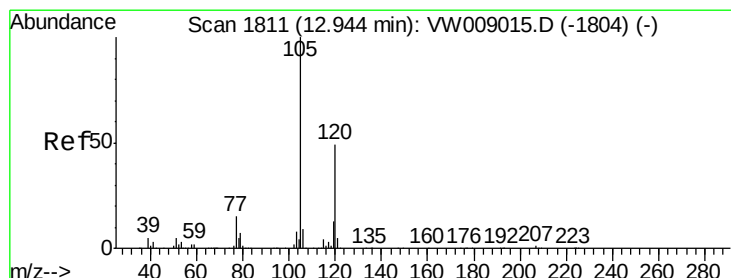
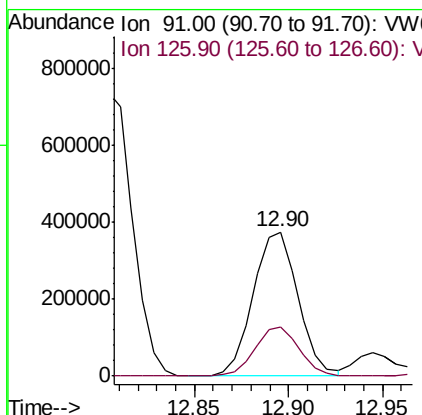
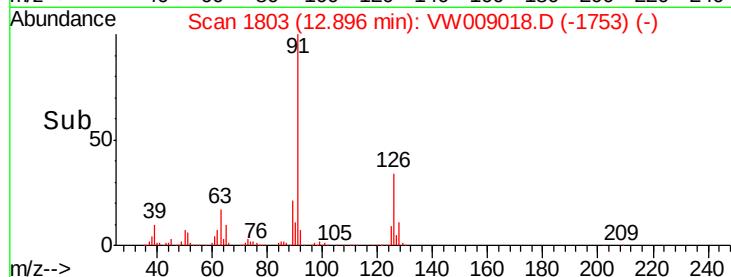
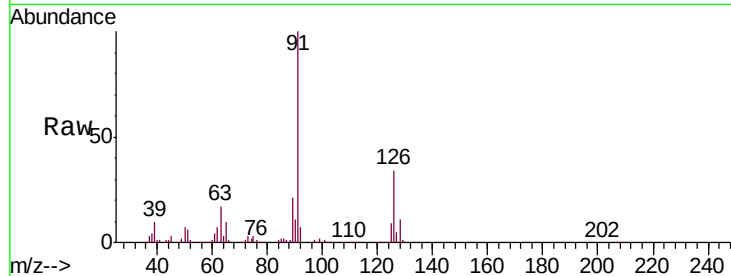
#79
 2-Chlorotoluene
 Concen: 54.339 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030619

Tgt Ion: 91 Resp: 616576
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.8 50.4

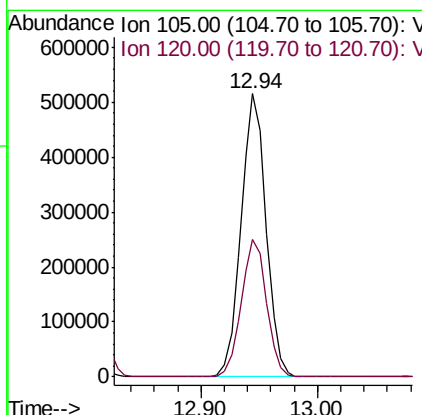
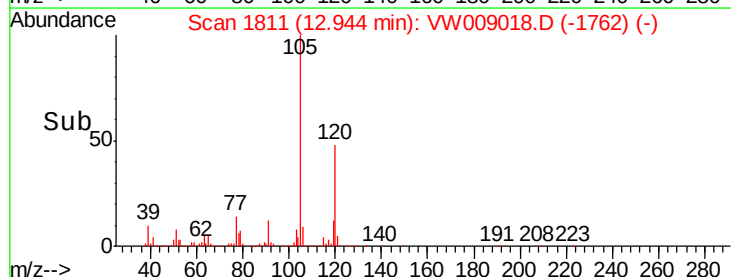
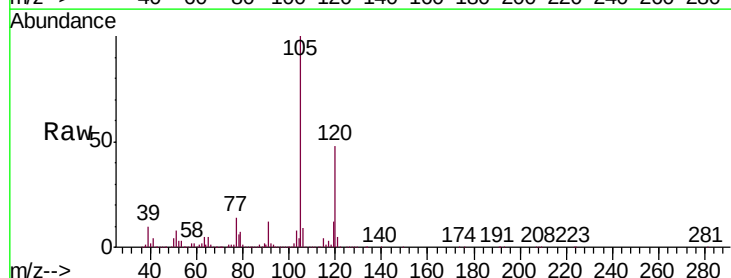
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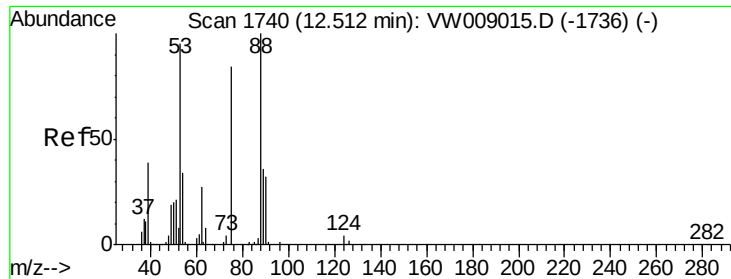
MMDadoda
 3/8/2019 12:07:10 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.723 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Tgt Ion: 105 Resp: 768748
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.8





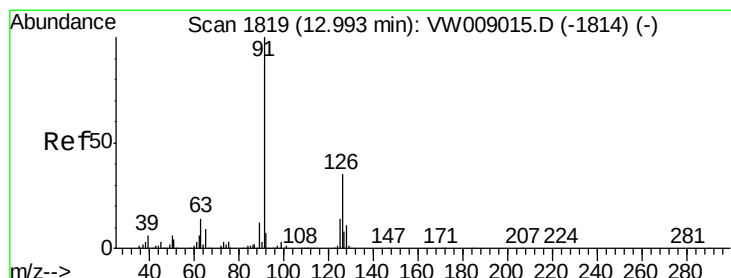
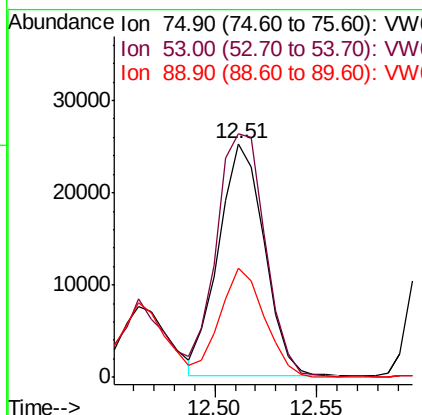
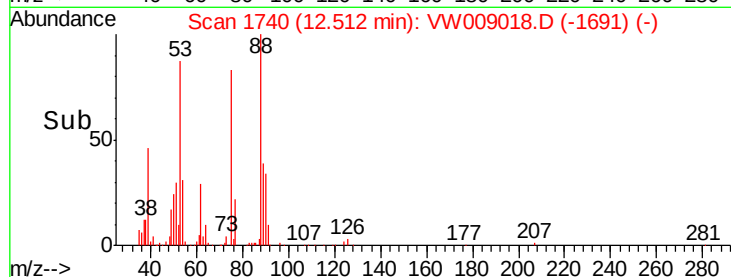
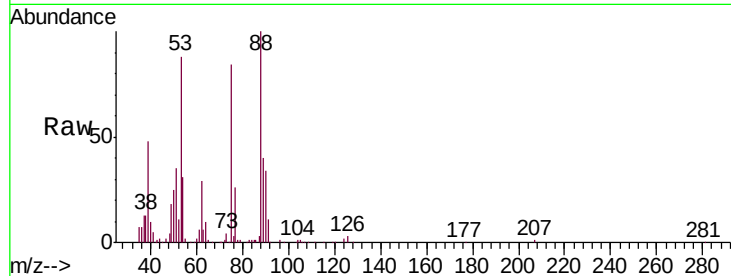
#81
trans-1,4-Dichloro-2-butene
Concen: 45.380 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
75	100		
53	110.9	88.5	132.7
89	46.2	36.3	54.5

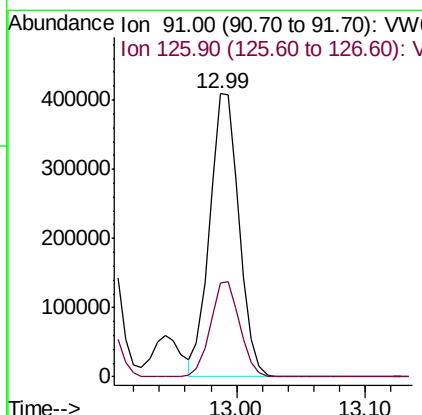
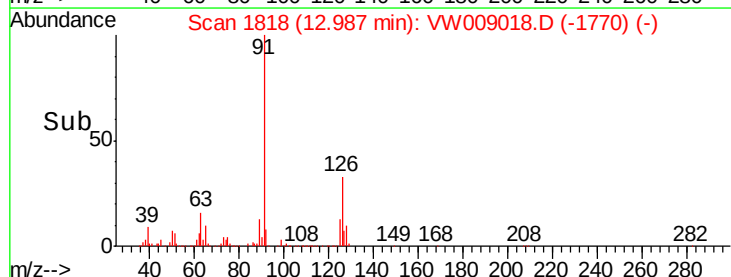
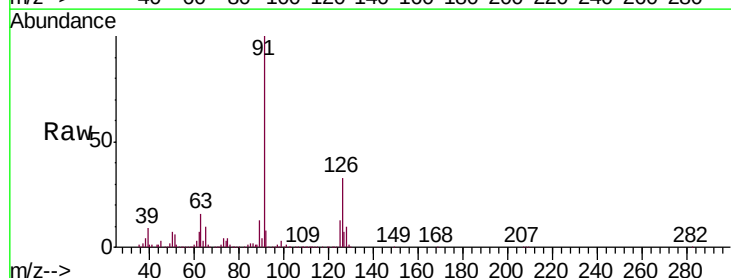
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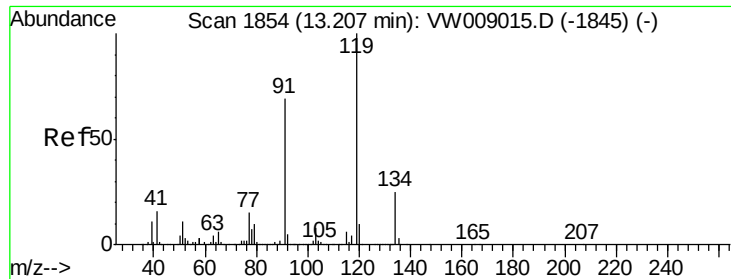
MMDadoda
3/8/2019 12:07:10 AM



#82
4-Chlorotoluene
Concen: 54.192 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6





#83

tert-Butylbenzene

Concen: 57.009 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

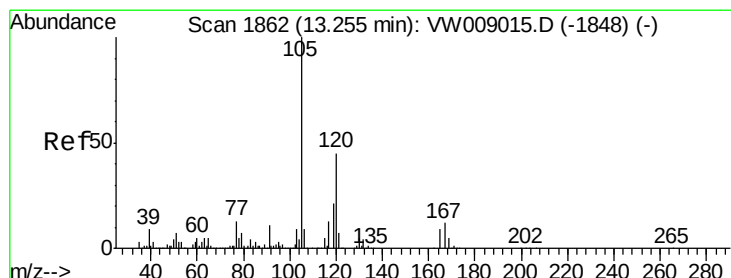
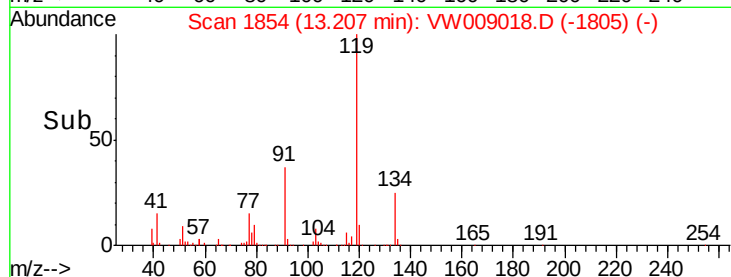
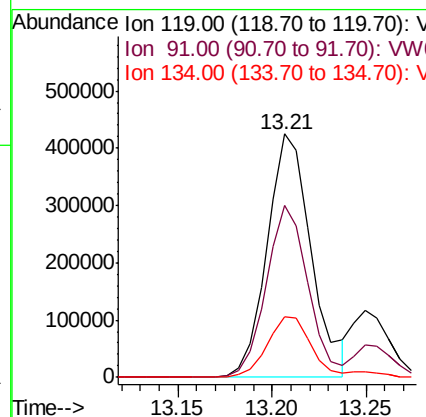
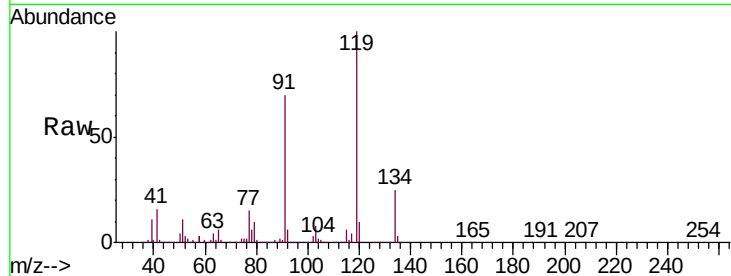
Instrument :
MSVOA_W

ClientSampled :
ICVW030619

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	690059		
91	66.9	34.3	102.9	
134	26.4	13.6	40.8	

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#84

1,2,4-Trimethylbenzene

Concen: 54.095 ug/l

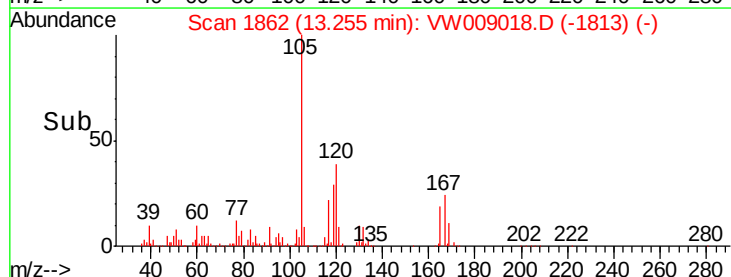
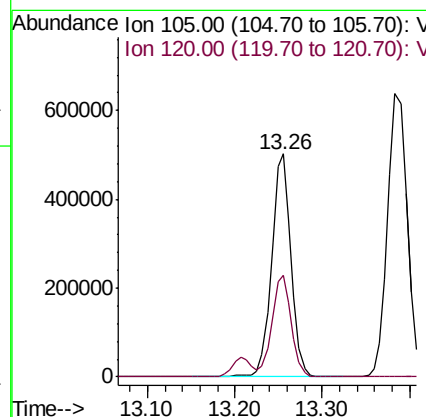
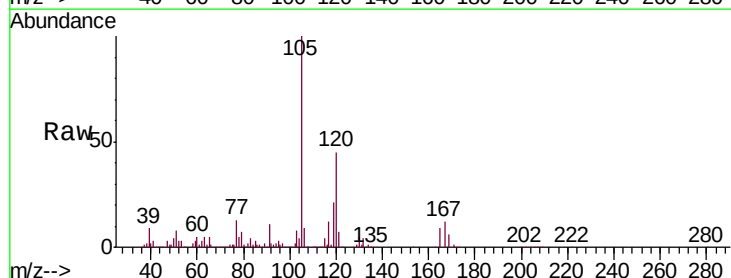
RT: 13.26 min Scan# 1862

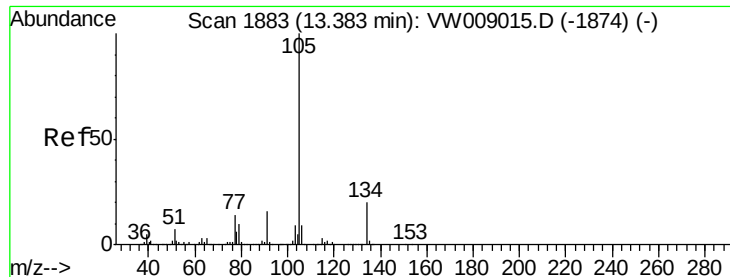
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	777967		
120	45.6	22.6	67.7	





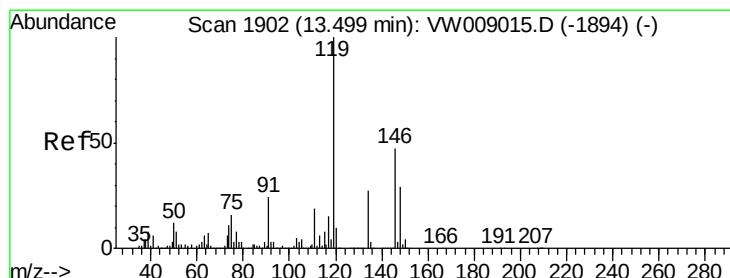
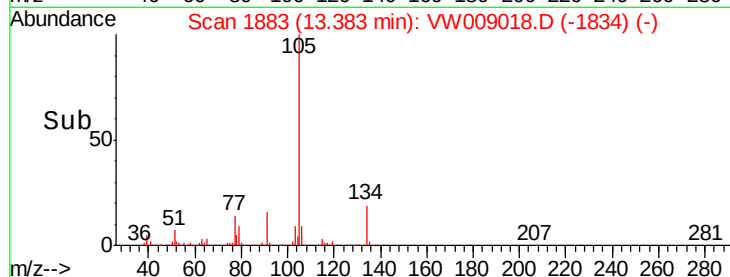
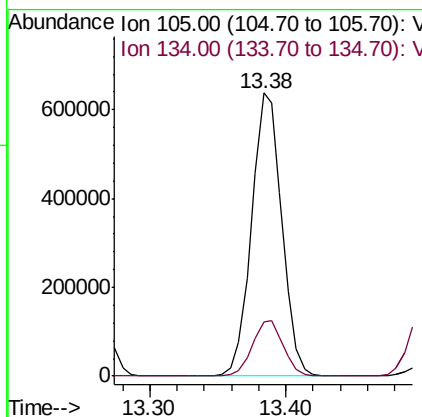
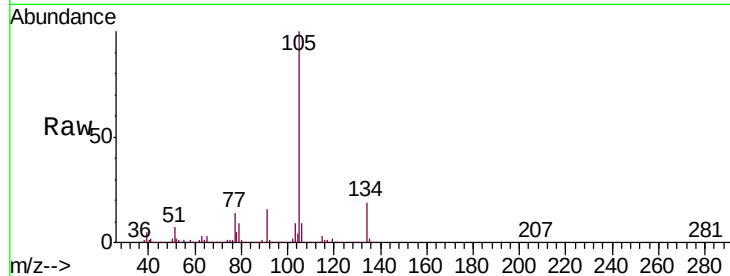
#85
 sec-Butylbenzene
 Concen: 56.170 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030619

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	991827		
134	19.9	10.2	30.6	

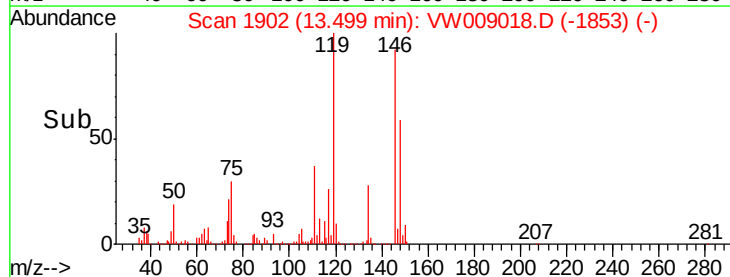
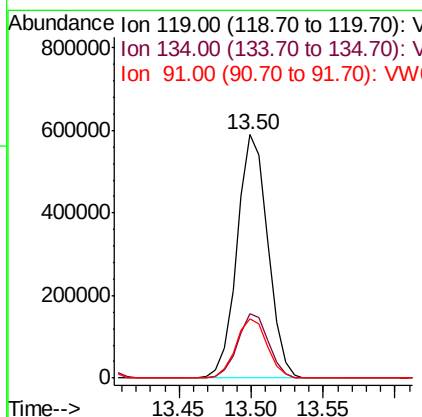
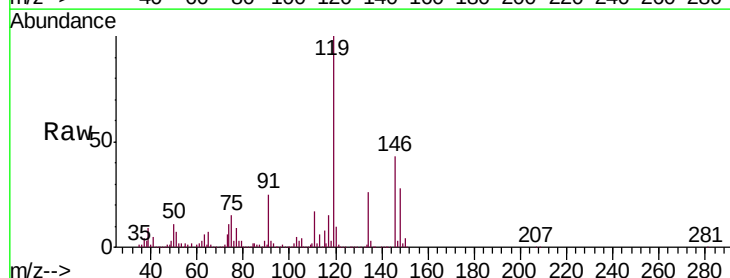
Manual Integrations
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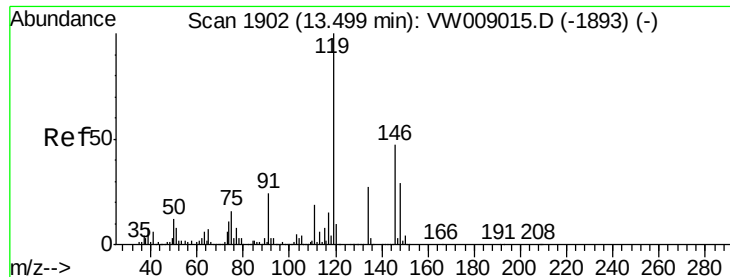
MMDadoda
 3/8/2019 12:07:10 AM



#86
 p-Isopropyltoluene
 Concen: 55.078 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	875370		
134	26.3	13.0	38.9	
91	24.8	12.1	36.3	





#87

1,3-Dichlorobenzene

Concen: 52.152 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

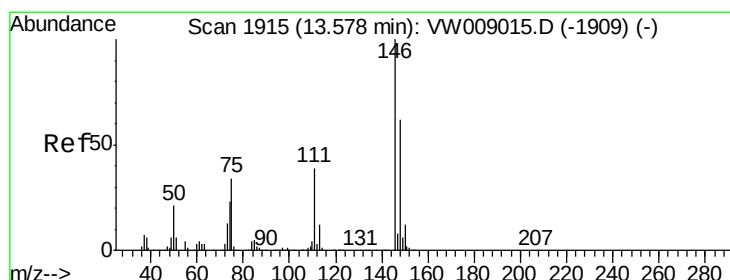
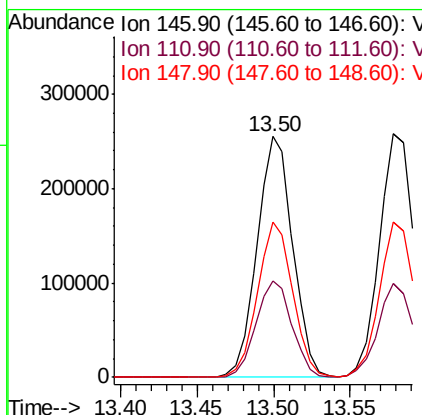
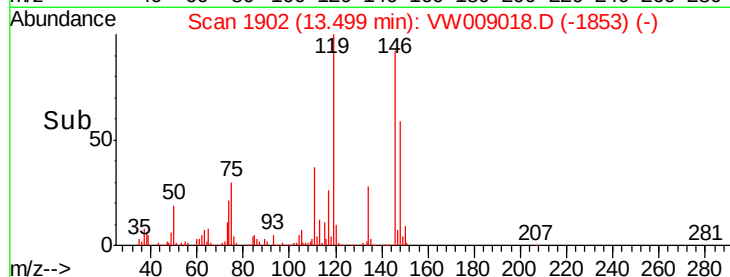
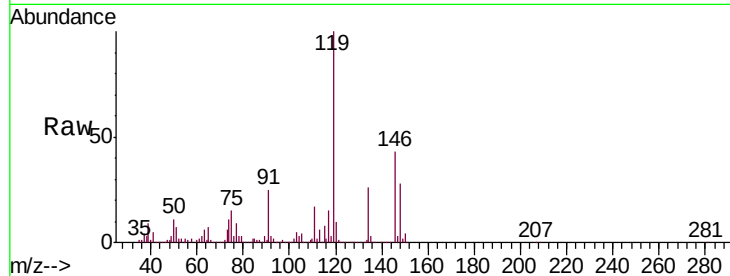
Instrument :
MSVOA_W

ClientSampled :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.7
148	63.6	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.029 ug/l

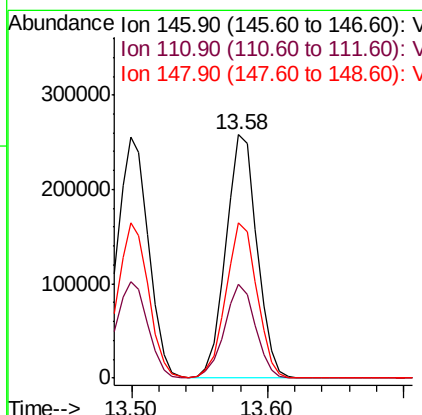
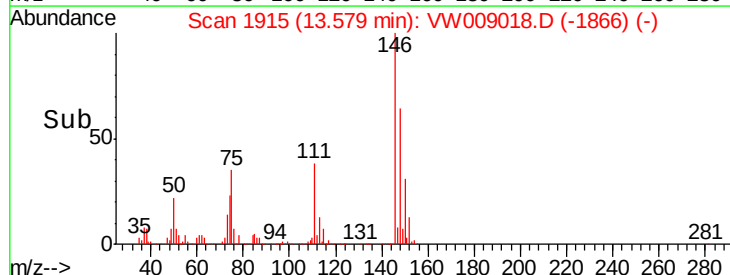
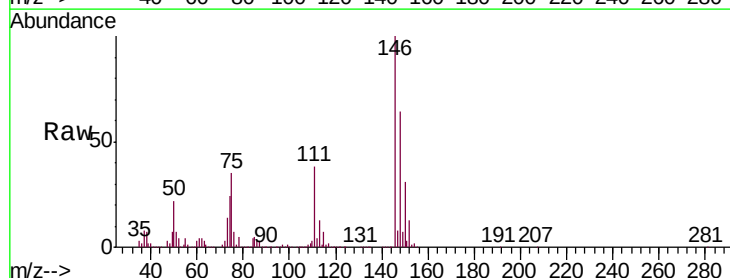
RT: 13.58 min Scan# 1915

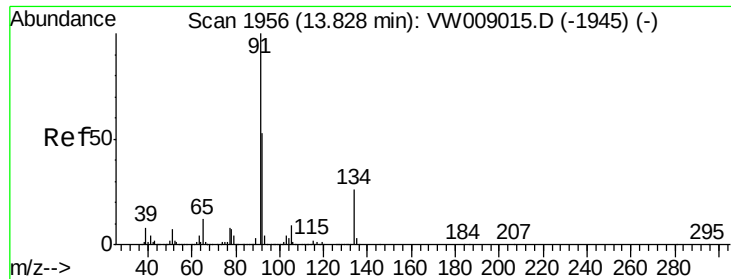
Delta R.T. 0.00 min

Lab File: VW009018.D

Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.7
148	63.8	31.7	95.1





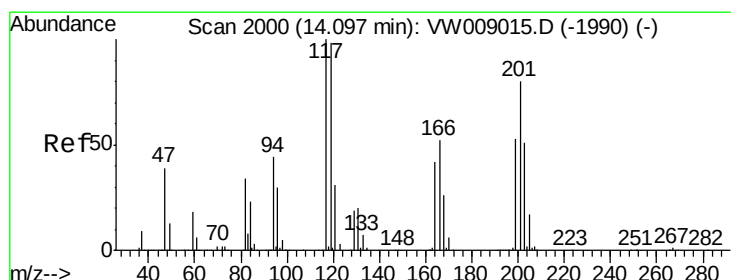
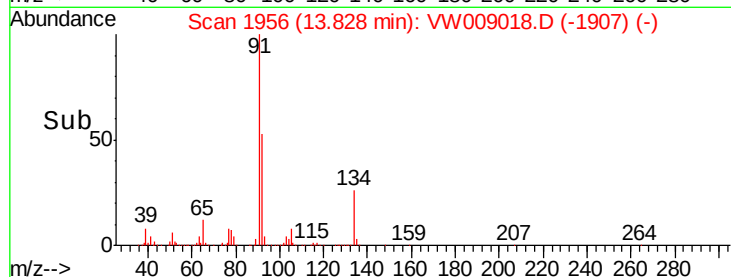
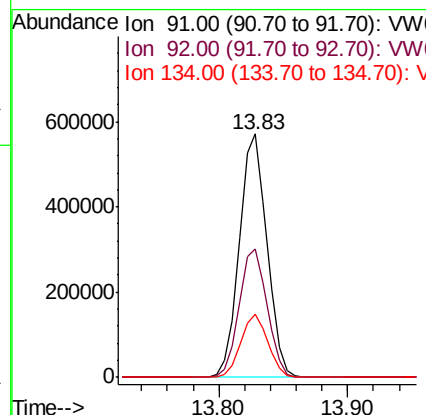
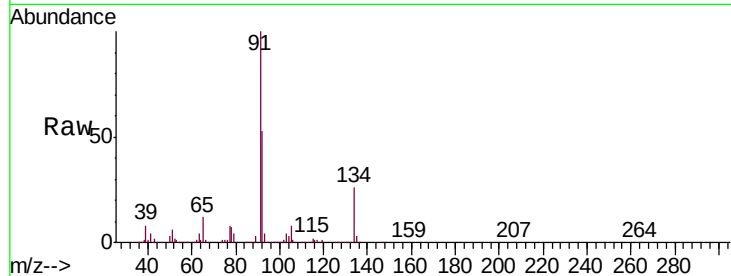
#89
n-Butylbenzene
Concen: 56.338 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.0
134	25.5	13.0	39.0

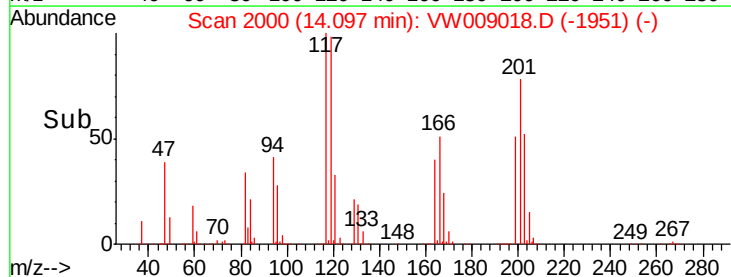
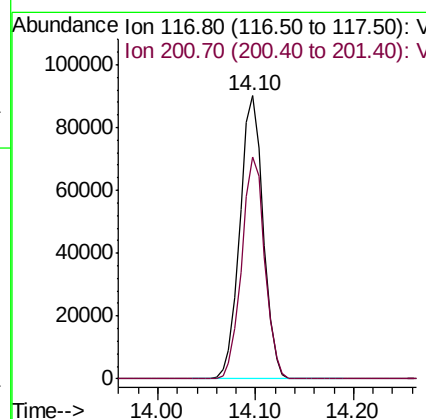
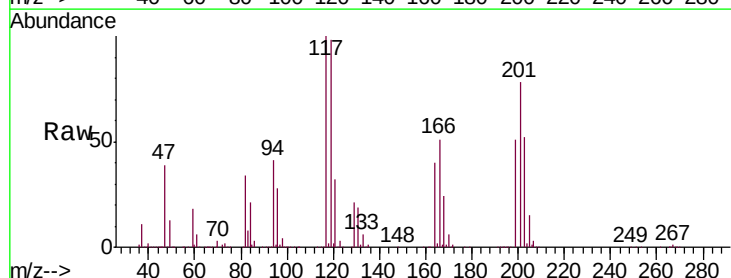
Manual Integrations
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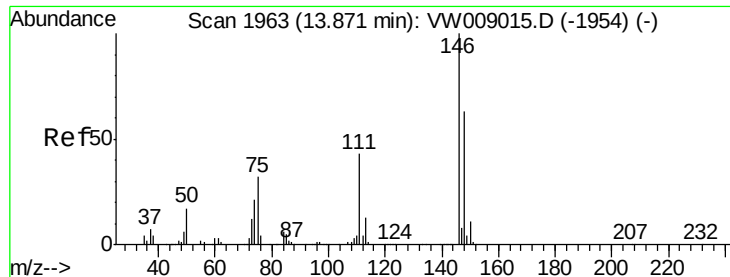
MMDadoda
3/8/2019 12:07:10 AM



#90
Hexachloroethane
Concen: 54.898 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	38.9	116.6





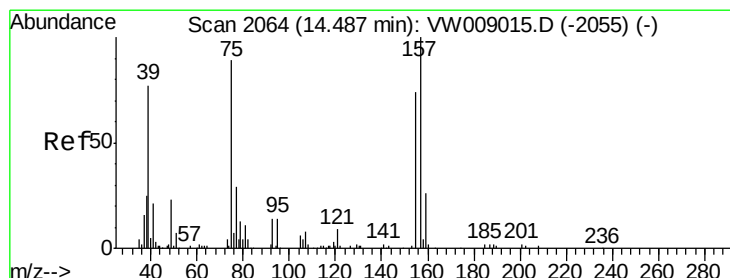
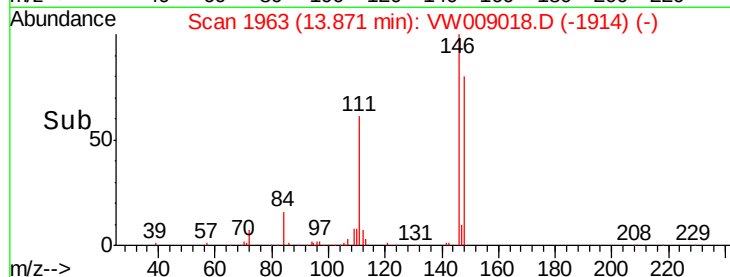
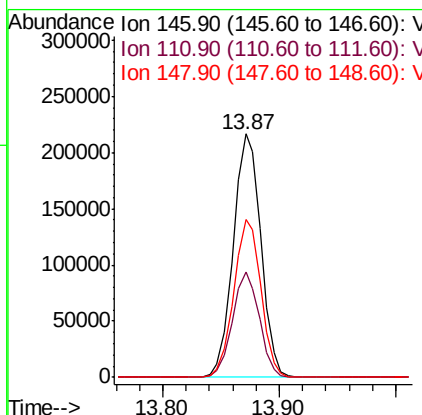
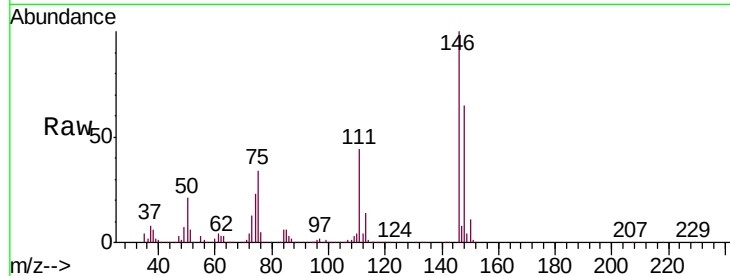
#91
 1,2-Dichlorobenzene
 Concen: 51.241 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW030619

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	355660		
111	42.4	20.8	62.4	
148	63.9	31.8	95.3	

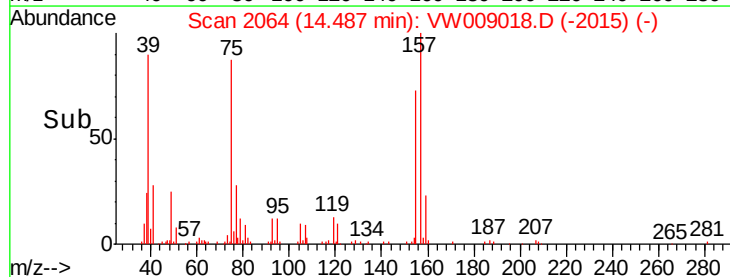
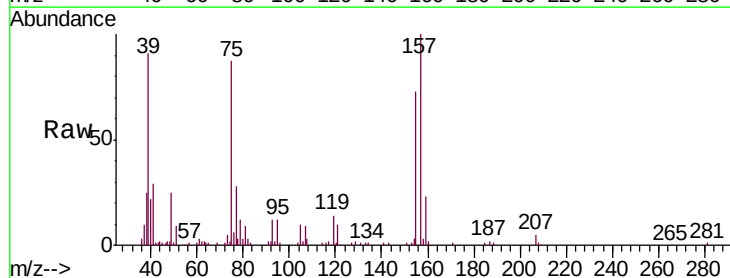
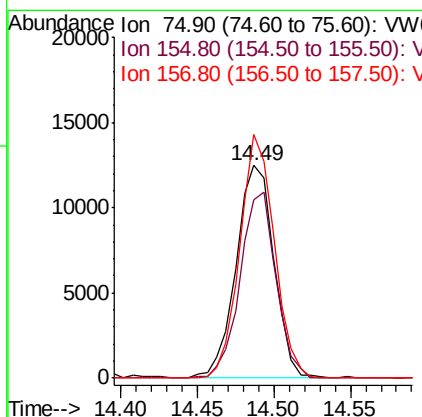
Manual Integrations
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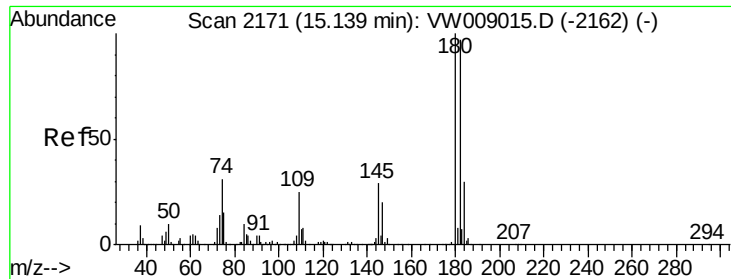
MMDadoda
 3/8/2019 12:07:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.935 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009018.D
 Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21436		
155	82.9	41.4	124.4	
157	104.4	53.1	159.4	





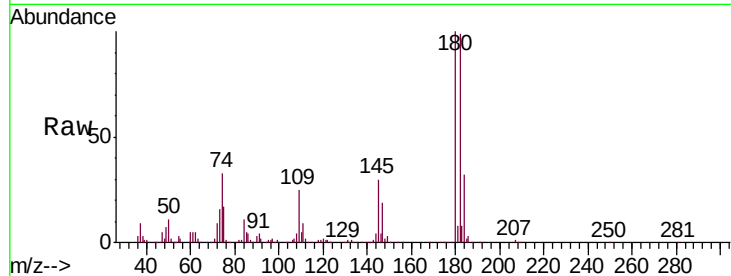
#93
1,2,4-Trichlorobenzene
Concen: 51.384 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	244220		
182	96.1	47.6	142.9	
145	30.3	14.7	44.1	

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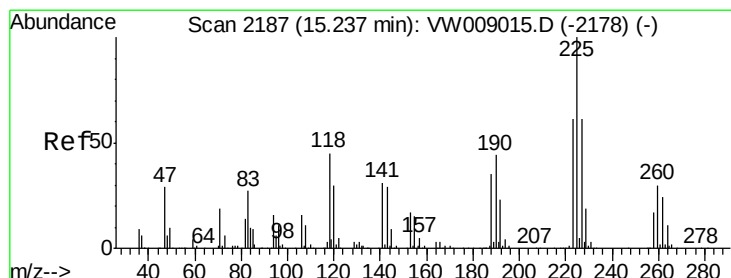
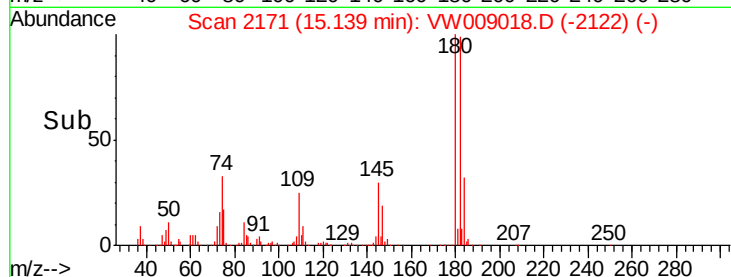
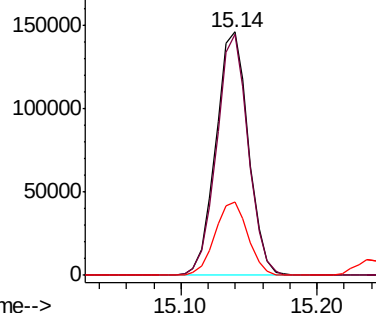


Abundance

Ion 179.80 (179.50 to 180.50): V

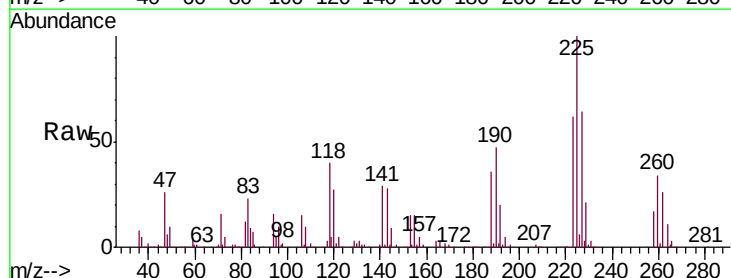
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 51.811 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156523		
223	62.0	30.6	91.8	
227	64.1	31.2	93.6	

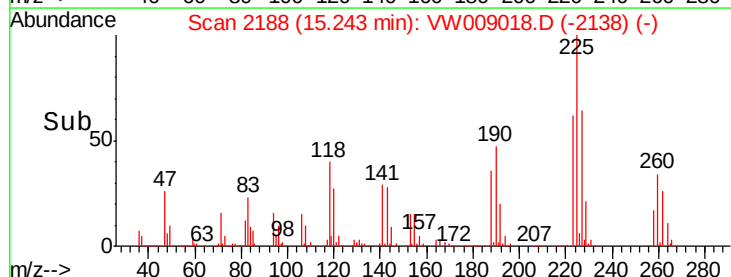
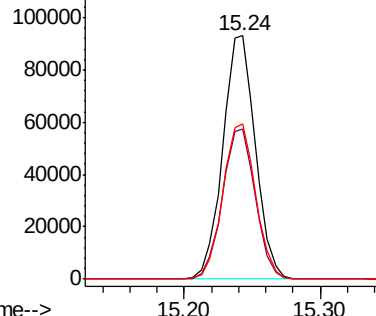


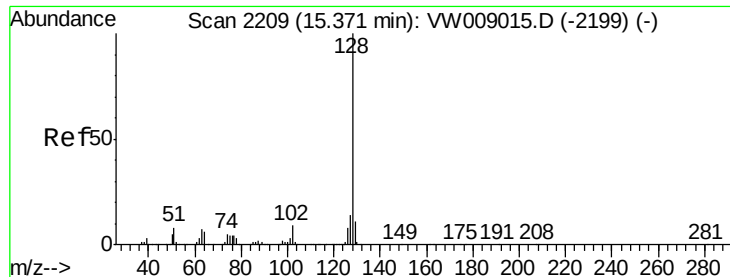
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





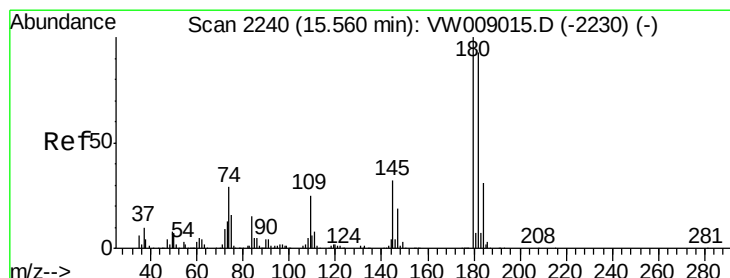
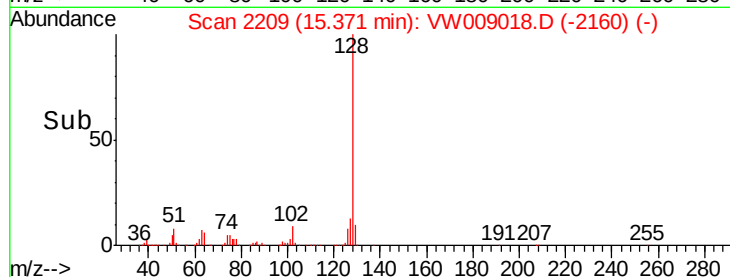
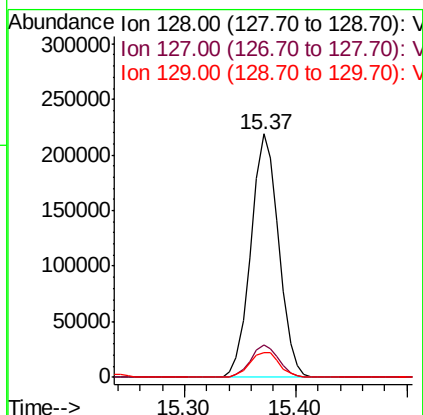
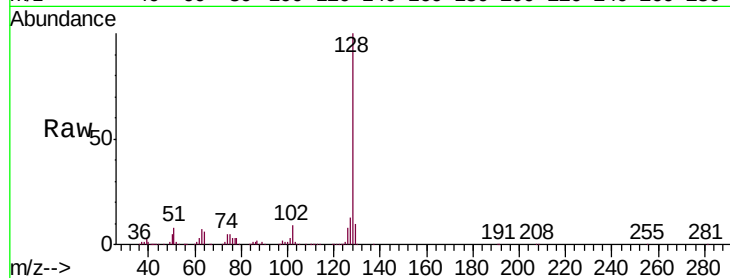
#95
Naphthalene
Concen: 49.543 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW030619

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	381785		
127	13.5	11.0	16.4	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.894 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009018.D
Acq: 06 Mar 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	205313		
182	95.9	47.3	141.8	
145	31.7	15.4	46.2	

