

Data File : VW009012.D
Acq On : 06 Mar 2019 10:52
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:00 AM

Quant Time: Mar 07 07:06:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231387	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	15057	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	
35) Dibromofluoromethane	7.88	113	12004	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	
50) Toluene-d8	10.32	98	49209	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.62	95	19716	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	15978	5.509 ug/l	96
3) Chloromethane	2.21	50	18594	5.089 ug/l	100
4) Vinyl Chloride	2.36	62	18378	5.020 ug/l	90
5) Bromomethane	2.76	94	16707	5.197 ug/l	94
6) Chloroethane	2.92	64	13407	5.165 ug/l	94
7) Trichlorofluoromethane	3.26	101	23966	5.082 ug/l	94
8) Diethyl Ether	3.68	74	7655	5.200 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15736	5.377 ug/l	96
10) Methyl Iodide	4.28	142	8286	2.999 ug/l	98
11) Tert butyl alcohol	5.19	59	5970m	27.863 ug/l	
12) 1,1-Dichloroethene	4.04	96	13066	5.124 ug/l	97
13) Acrolein	3.90	56	6442	26.820 ug/l	92
14) Allyl chloride	4.67	41	21147	4.797 ug/l	98
15) Acrylonitrile	5.37	53	15934	25.282 ug/l	93
16) Acetone	4.13	43	15173	25.233 ug/l	98
17) Carbon Disulfide	4.38	76	41931	4.907 ug/l #	95
18) Methyl Acetate	4.67	43	6529	4.760 ug/l #	86
19) Methyl tert-butyl Ether	5.43	73	31385	4.754 ug/l	95
20) Methylene Chloride	4.92	84	23968	6.808 ug/l	89
21) trans-1,2-Dichloroethene	5.43	96	15110	5.180 ug/l	81
22) Diisopropyl ether	6.32	45	40925	4.649 ug/l #	97
23) Vinyl Acetate	6.26	43	122175	22.283 ug/l	99
24) 1,1-Dichloroethane	6.21	63	25038	4.891 ug/l	91
25) 2-Butanone	7.18	43	21265	24.846 ug/l #	89
26) 2,2-Dichloropropane	7.17	77	24396	5.210 ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	14146	4.607 ug/l	90
28) Bromochloromethane	7.51	49	11142	5.014 ug/l	94
29) Tetrahydrofuran	7.54	42	12370	23.005 ug/l	98
30) Chloroform	7.68	83	24609	4.696 ug/l	96
31) Cyclohexane	7.95	56	31357	5.957 ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	23778	4.940 ug/l	96
36) 1,1-Dichloropropene	8.09	75	21282	5.067 ug/l	99
37) Ethyl Acetate	7.26	43	8773	4.722 ug/l #	94
38) Carbon Tetrachloride	8.07	117	21843	5.025 ug/l	92

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MSVOA_W
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VSTDIC005

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:00 AM

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24262	4.782	ug/l	92
40) Benzene	8.32	78	56865	5.019	ug/l	95
41) Methacrylonitrile	7.49	41	5405	4.905	ug/l	92
42) 1,2-Dichloroethane	8.40	62	17754	4.883	ug/l	98
43) Isopropyl Acetate	8.43	43	16798	4.600	ug/l	98
44) Trichloroethene	9.09	130	16079	5.090	ug/l	94
45) 1,2-Dichloropropane	9.37	63	13712	4.882	ug/l	100
46) Dibromomethane	9.46	93	7367	4.755	ug/l	92
47) Bromodichloromethane	9.65	83	18851	4.853	ug/l	91
48) Methyl methacrylate	9.43	41	7570	4.387	ug/l	97
49) 1,4-Dioxane	9.45	88	2209	104.291	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	41331	22.380	ug/l	100
52) Toluene	10.38	92	37299	4.877	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	17498	4.541	ug/l	91
54) cis-1,3-Dichloropropene	10.07	75	19657	4.469	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	10449	4.965	ug/l #	85
56) Ethyl methacrylate	10.65	69	10839	4.164	ug/l	96
57) 1,3-Dichloropropane	10.93	76	17989	4.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	31630	22.899	ug/l	100
59) 2-Hexanone	10.97	43	27774	21.393	ug/l	99
60) Dibromochloromethane	11.12	129	11436	4.474	ug/l	100
61) 1,2-Dibromoethane	11.23	107	9448	4.737	ug/l	99
64) Tetrachloroethene	10.86	164	14223	5.007	ug/l	98
65) Chlorobenzene	11.66	112	43393	5.081	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	13510	4.711	ug/l	95
67) Ethyl Benzene	11.73	91	73400	4.740	ug/l	99
68) m/p-Xylenes	11.84	106	56596	9.263	ug/l	99
69) o-Xylene	12.16	106	26555	4.656	ug/l	98
70) Styrene	12.18	104	39578	4.283	ug/l	98
71) Bromoform	12.35	173	6831	4.470	ug/l #	99
73) Isopropylbenzene	12.47	105	70523	4.453	ug/l	99
74) N-amyl acetate	12.28	43	15219	4.036	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	11966	4.844	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8435m	3.373	ug/l	
77) Bromobenzene	12.74	156	16804	4.687	ug/l	97
78) n-propylbenzene	12.80	91	86333	4.440	ug/l	97
79) 2-Chlorotoluene	12.90	91	50625	4.611	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	59705	4.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3165	4.183	ug/l	95
82) 4-Chlorotoluene	12.99	91	53218	4.557	ug/l	97
83) tert-Butylbenzene	13.21	119	53084	4.533	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	60878	4.375	ug/l	97
85) sec-Butylbenzene	13.38	105	78433	4.591	ug/l	98
86) p-Isopropyltoluene	13.50	119	67174	4.368	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	36962	4.815	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37989	4.990	ug/l	95
89) n-Butylbenzene	13.83	91	64946	4.461	ug/l	98
90) Hexachloroethane	14.10	117	12274	4.659	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	33075	4.925	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2185	4.839	ug/l	97

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

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VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	20845	4.533	ug/l	99
94) Hexachlorobutadiene	15.24	225	15070	5.156	ug/l	98
95) Naphthalene	15.37	128	29305	3.930	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	18456	4.635	ug/l	94

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

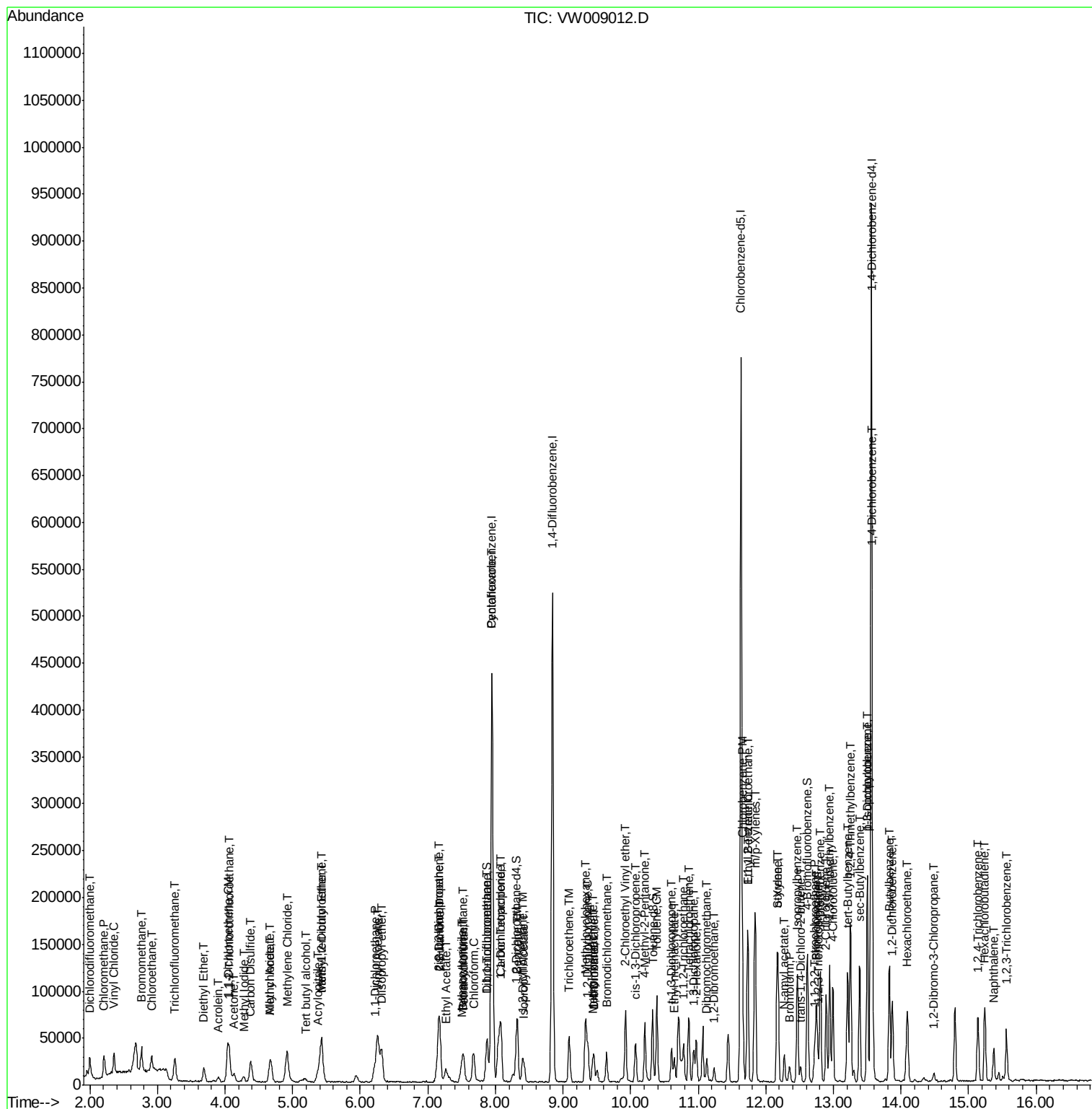
Data File : VW009012.D
Acq On : 06 Mar 2019 10:52
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

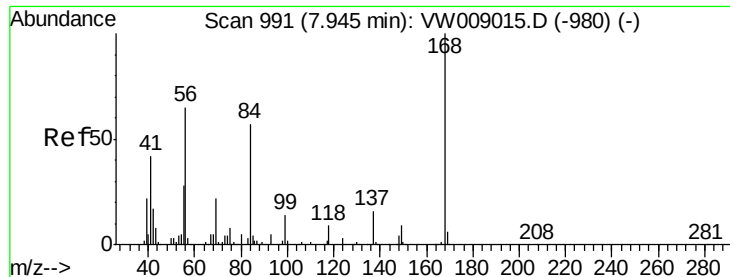
Instrument :
MSVOA_W
Client Sampled :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Mar 07 07:06:23 2019
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tgt Ion:168 Resp: 291978

Ion Ratio Lower Upper

168 100

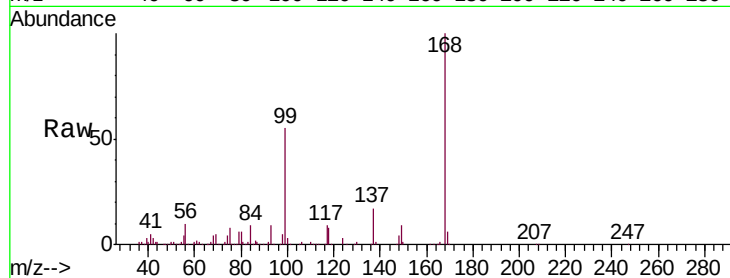
99 54.5 43.5 65.3

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

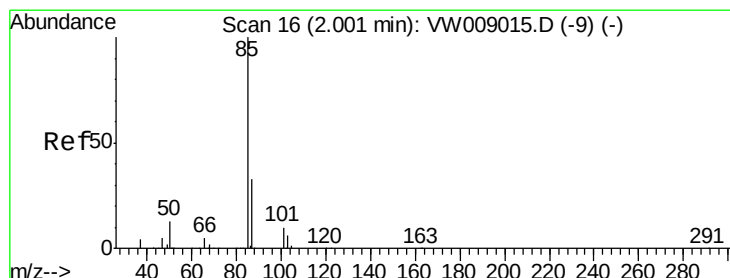
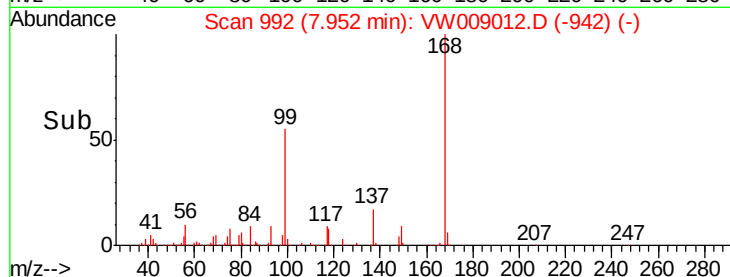
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 5.509 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW009012.D

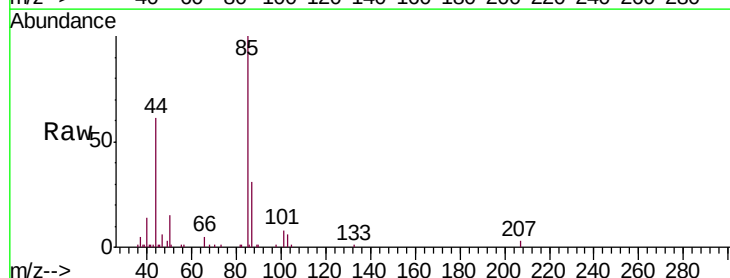
Acq: 06 Mar 2019 10:52

Tgt Ion: 85 Resp: 15978

Ion Ratio Lower Upper

85 100

87 30.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

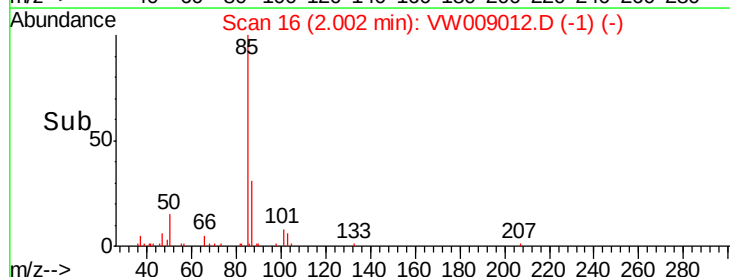
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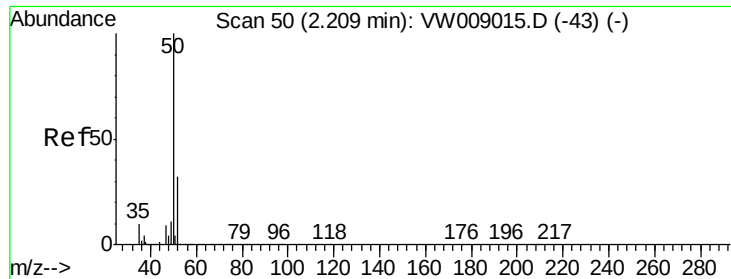
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 5.089 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tgt Ion: 50 Resp: 18594

Ion Ratio Lower Upper

50 100

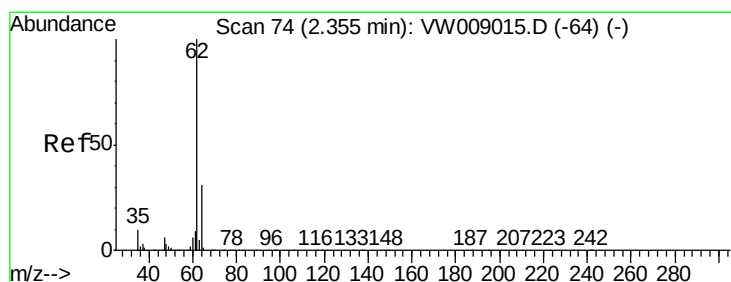
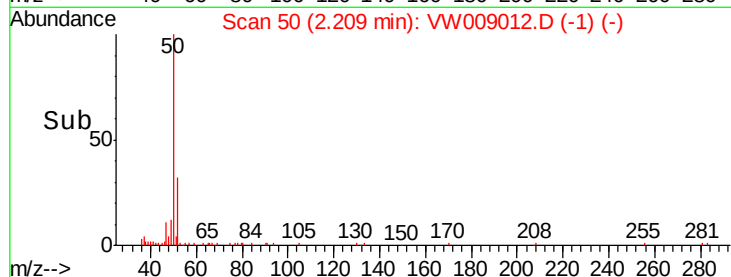
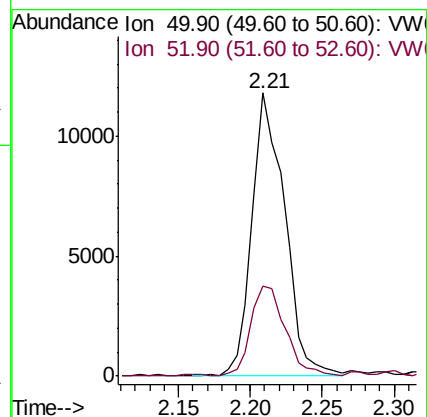
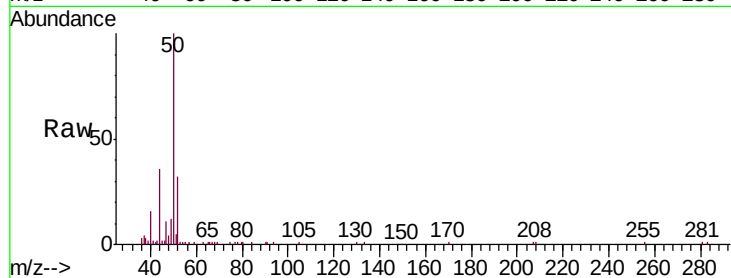
52 31.7 25.3 37.9

Manual Integrations

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3/8/2019 12:07:00 AM



#4

Vinyl Chloride

Concen: 5.020 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009012.D

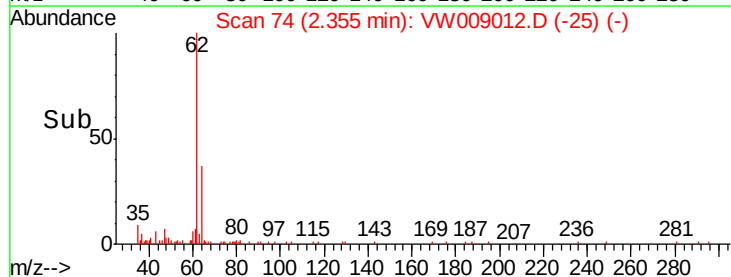
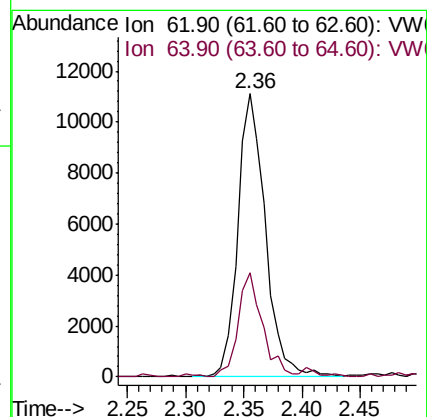
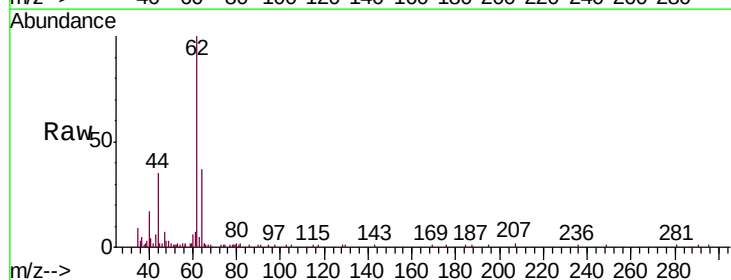
Acq: 06 Mar 2019 10:52

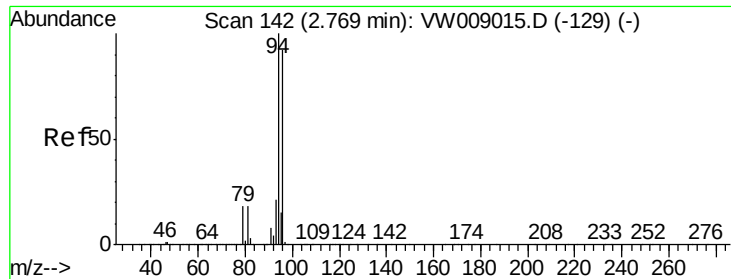
Tgt Ion: 62 Resp: 18378

Ion Ratio Lower Upper

62 100

64 36.3 24.6 36.8





#5

Bromomethane

Concen: 5.197 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tgt Ion: 94 Resp: 16707

Ion Ratio Lower Upper

94 100

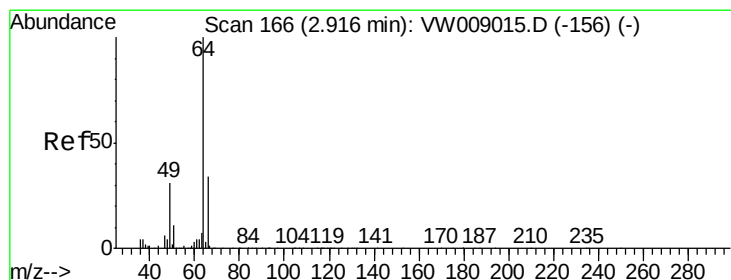
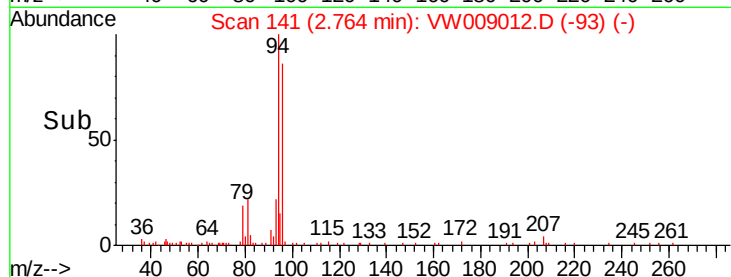
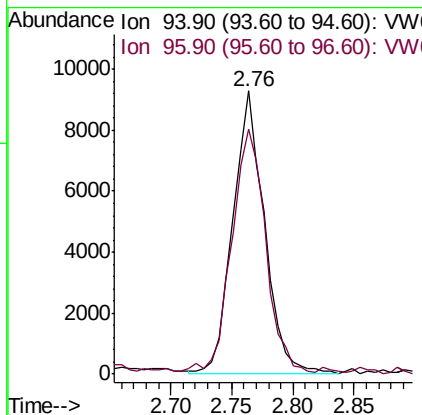
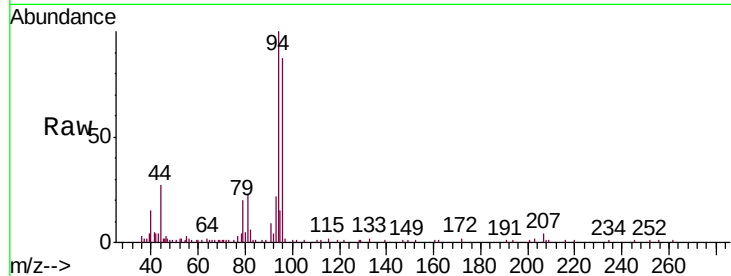
96 85.7 73.4 110.0

Manual Integrations

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3/8/2019 12:07:00 AM



#6

Chloroethane

Concen: 5.165 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009012.D

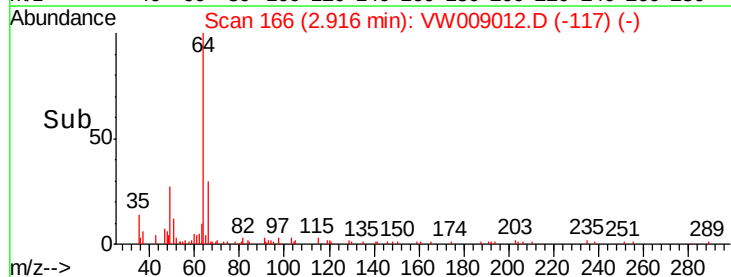
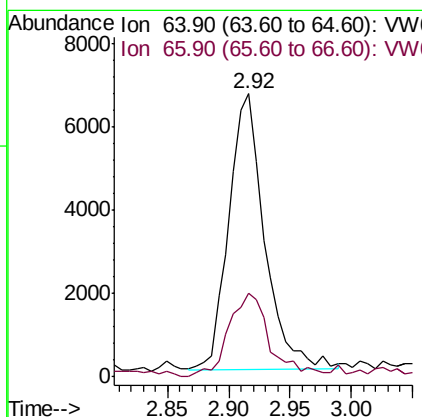
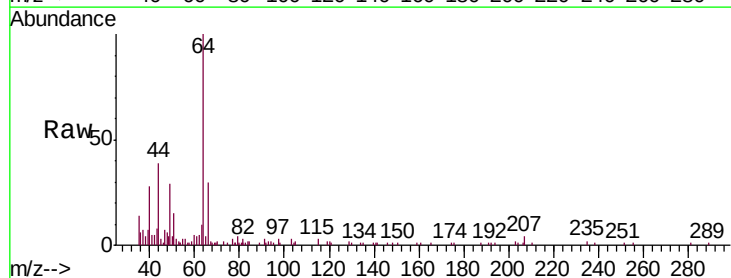
Acq: 06 Mar 2019 10:52

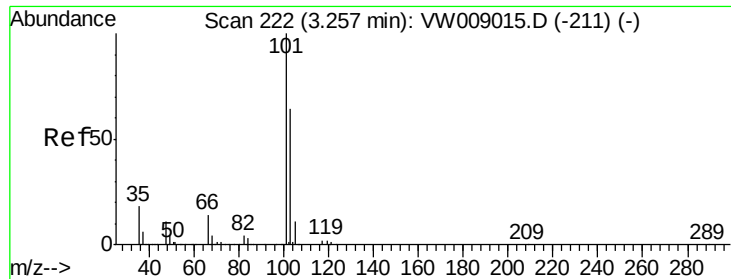
Tgt Ion: 64 Resp: 13407

Ion Ratio Lower Upper

64 100

66 30.6 27.2 40.8





#7

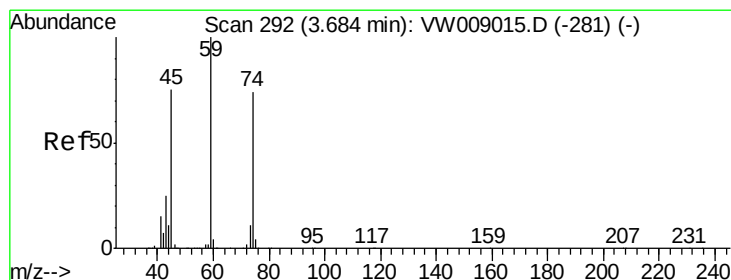
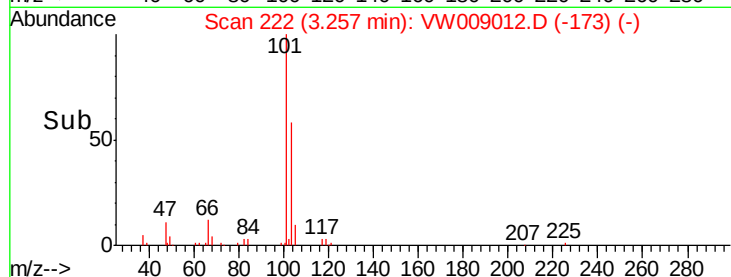
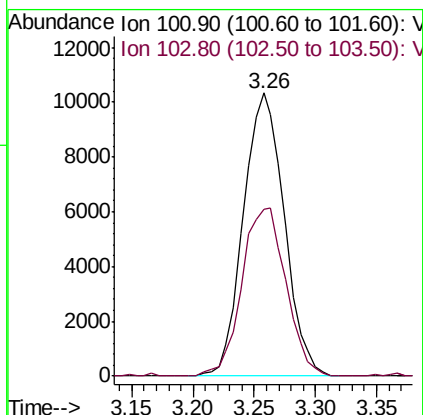
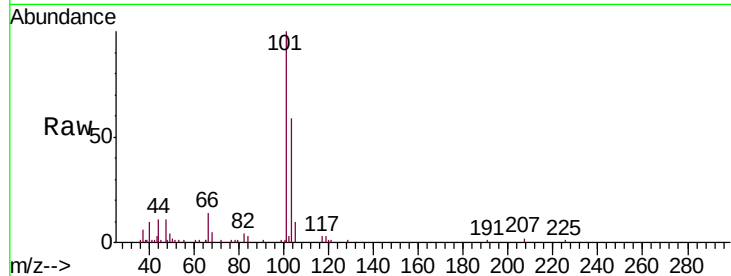
Trichlorofluoromethane
 Concen: 5.082 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	59.2	51.1	76.7

Manual Integrations
 APPROVED

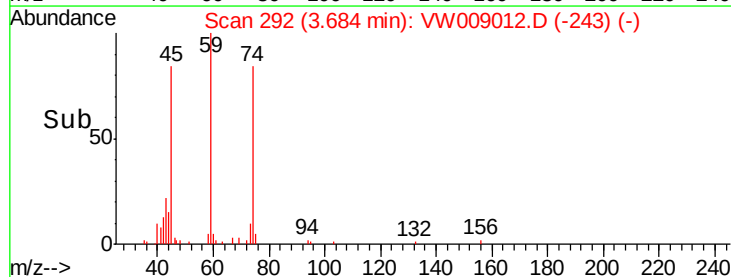
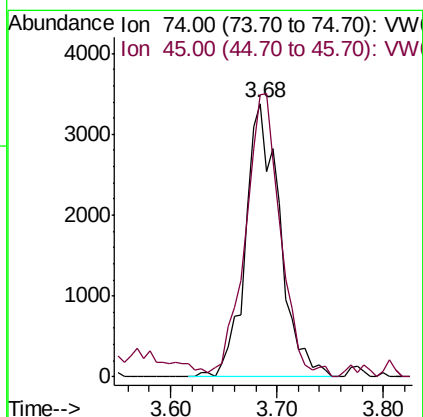
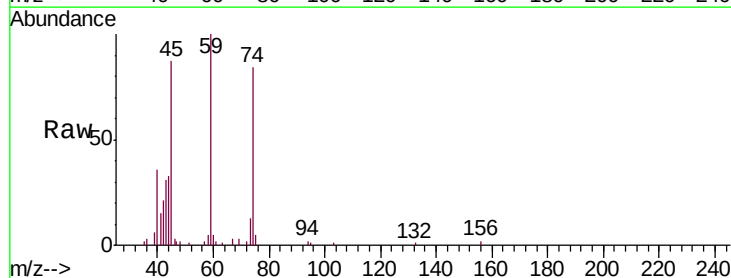
MMDadoda
 3/8/2019 12:07:00 AM

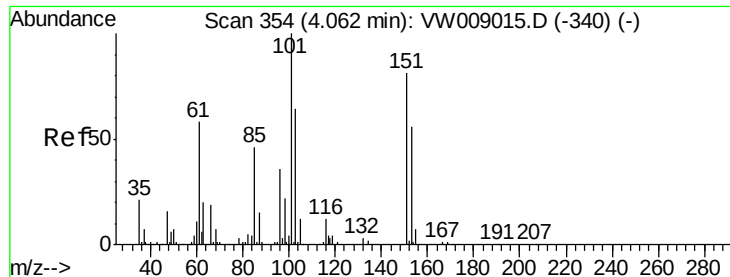


#8

Diethyl Ether
 Concen: 5.200 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	48.8	146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.377 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

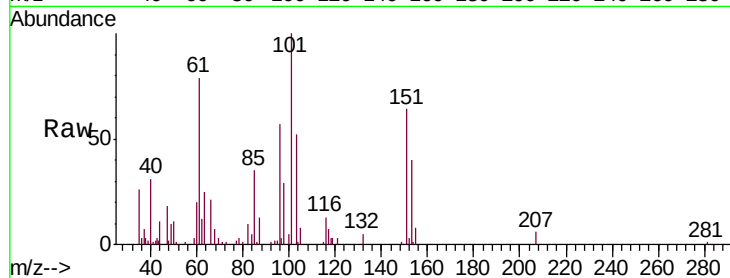
ClientSampleId :

VSTDIC005

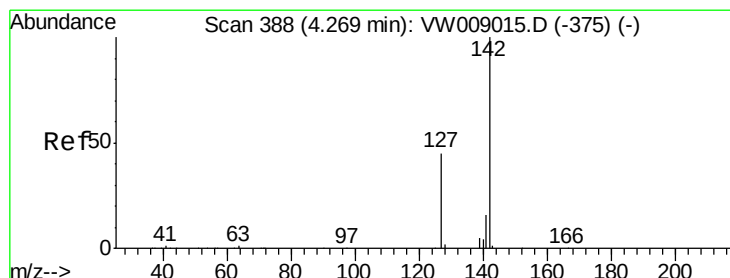
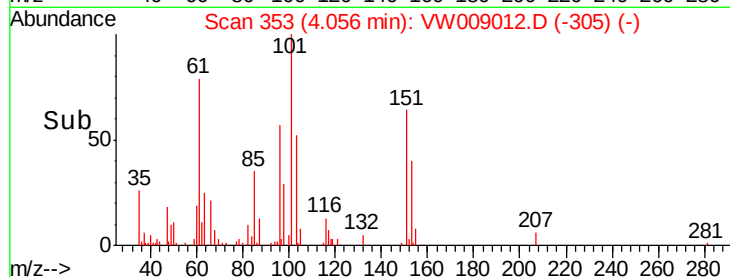
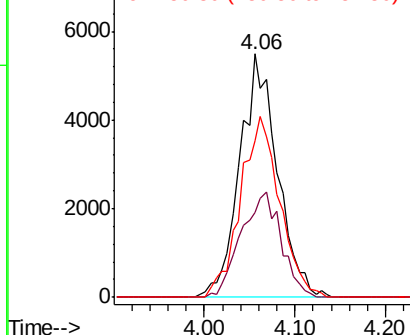
Tgt Ion:	101	Resp:	15736
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.6	55.0
151	77.6	66.0	99.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.999 ug/l

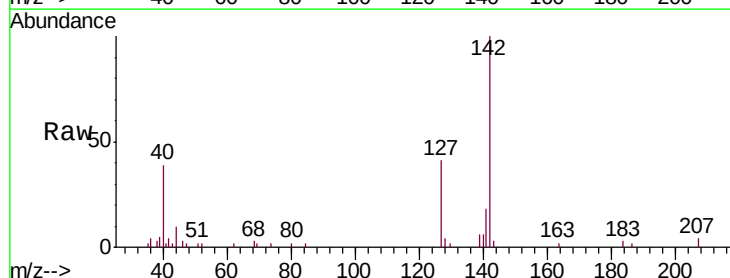
RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

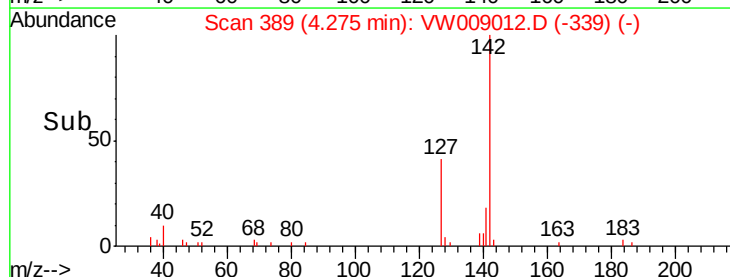
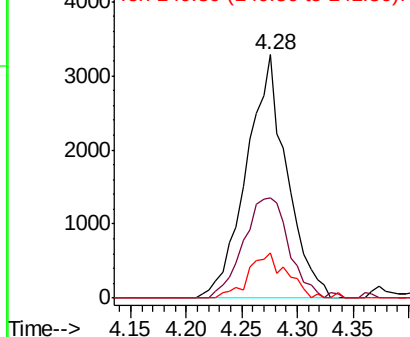
Lab File: VW009012.D

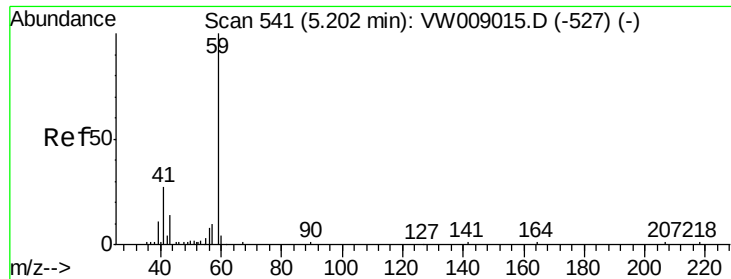
Acq: 06 Mar 2019 10:52

Tgt Ion:	142	Resp:	8286
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.2	54.2
141	17.3	12.3	18.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





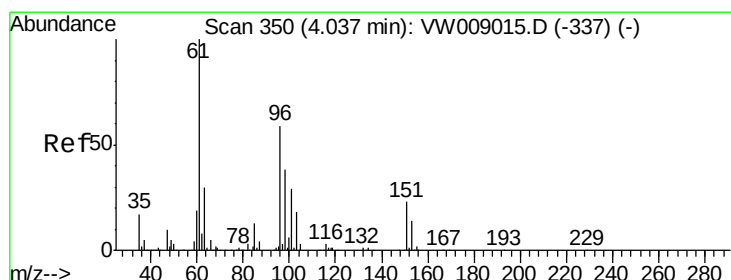
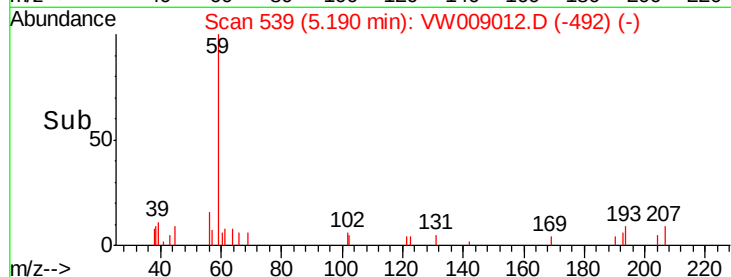
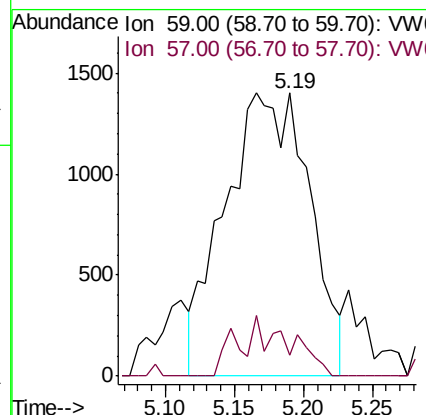
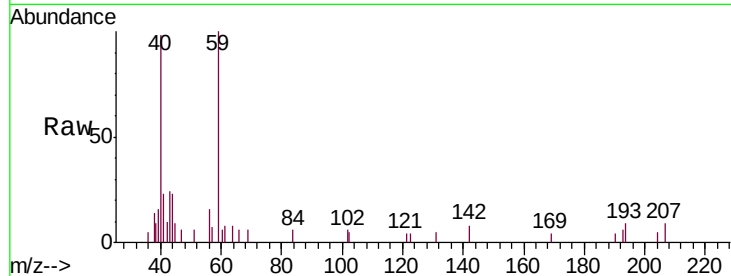
#11
Tert butyl alcohol
Concen: 27.863 ug/l m
RT: 5.19 min Scan# 539
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

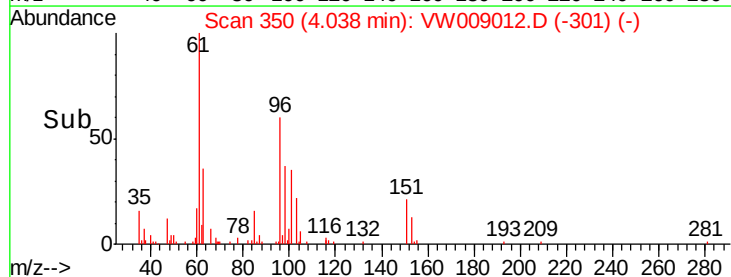
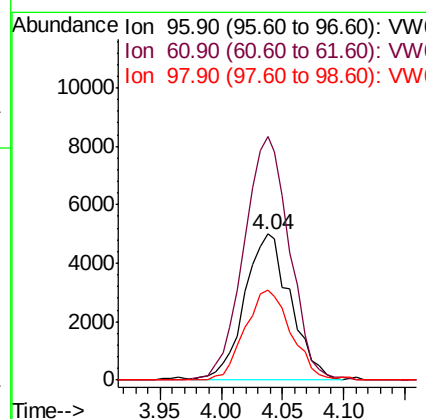
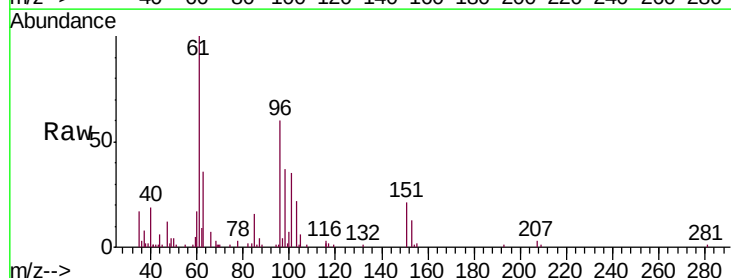
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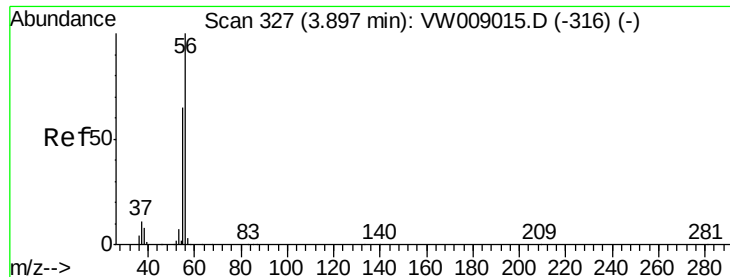
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.124 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	135.8	203.6
98	61.9	51.6	77.4





#13

Acrolein

Concen: 26.820 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tgt Ion: 56 Resp: 6442

Ion Ratio Lower Upper

56 100

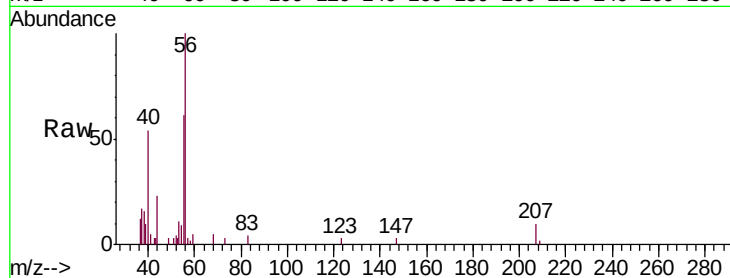
55 64.4 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

2500

2000

1500

1000

500

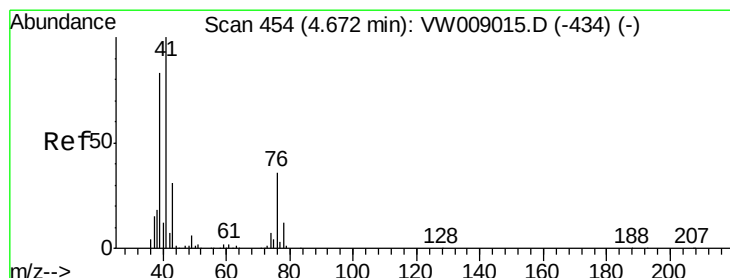
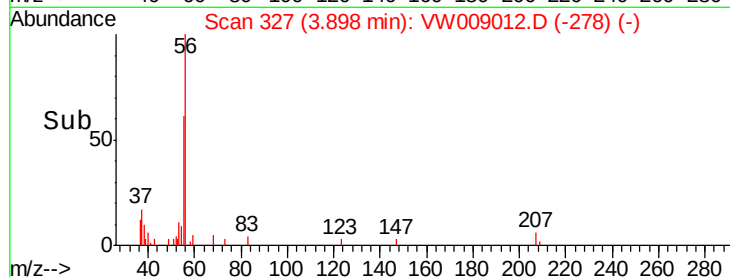
0

3.80

3.90

4.00

Time-->



#14

Allyl chloride

Concen: 4.797 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

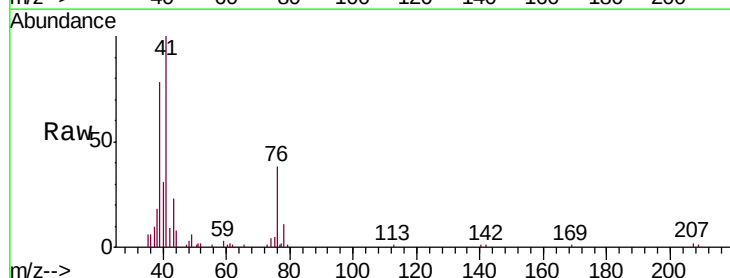
Tgt Ion: 41 Resp: 21147

Ion Ratio Lower Upper

41 100

39 82.1 63.6 95.4

76 35.6 27.9 41.9



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

10000

8000

6000

4000

2000

0

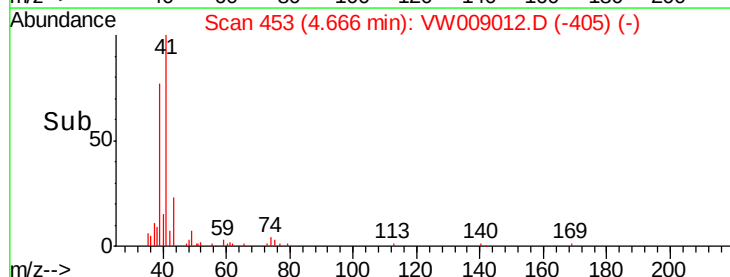
4.50

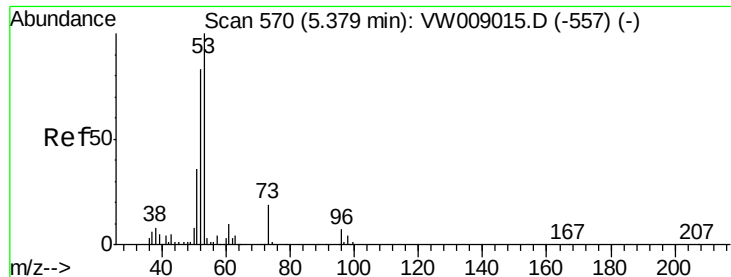
4.60

4.70

4.80

Time-->





#15

Acrylonitrile

Concen: 25.282 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

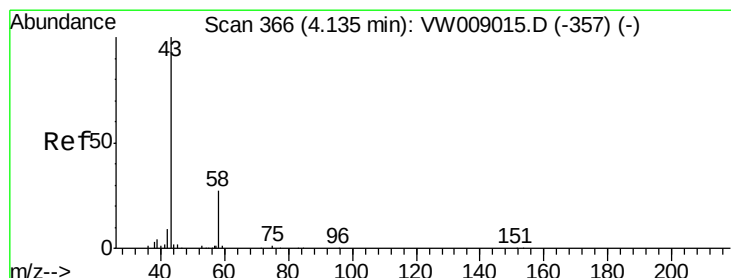
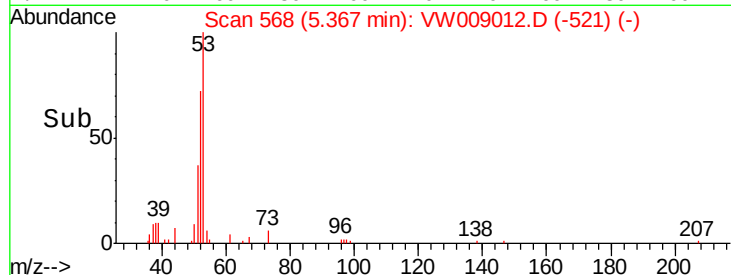
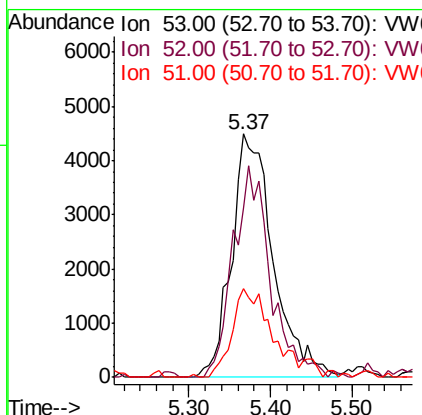
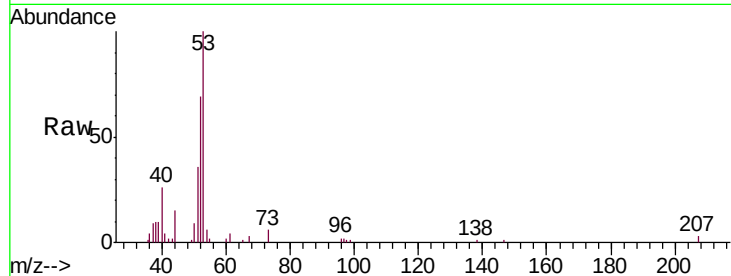
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	15934
Ion	Ratio	Lower	Upper
53	100		
52	77.7	66.6	100.0
51	33.5	30.6	45.8

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#16

Acetone

Concen: 25.233 ug/l

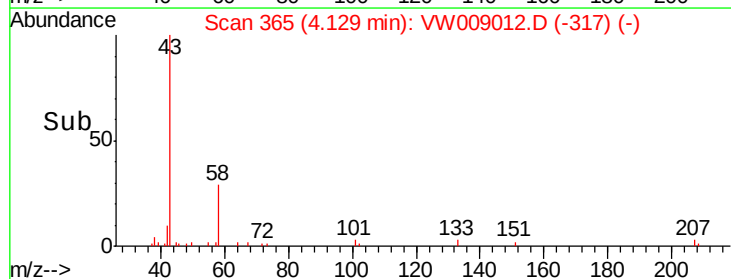
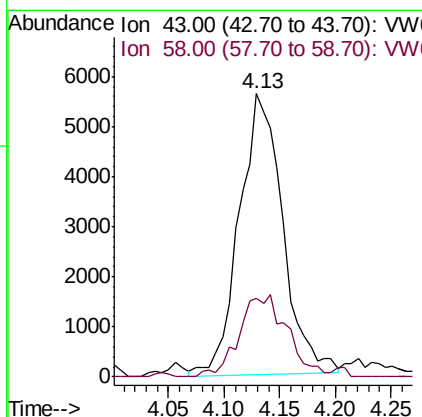
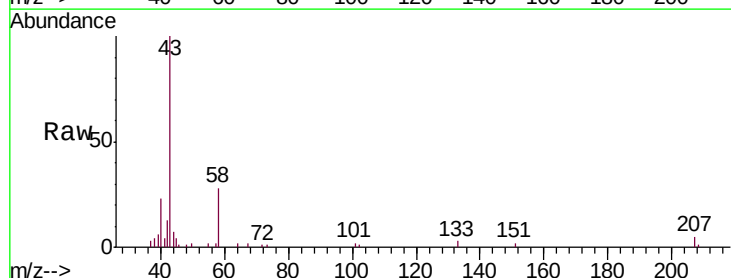
RT: 4.13 min Scan# 365

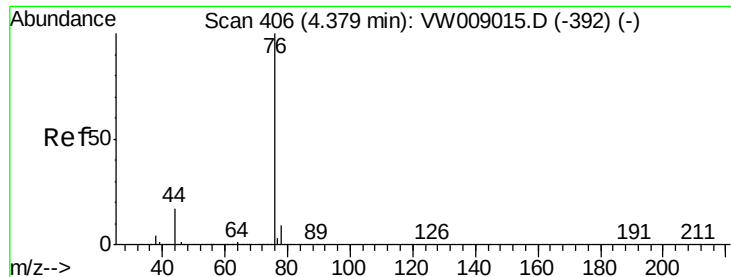
Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion:	43	Resp:	15173
Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.6	32.4





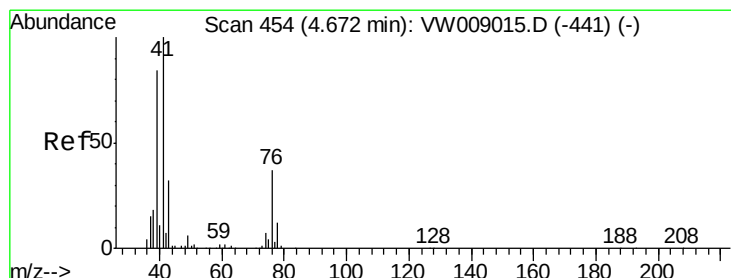
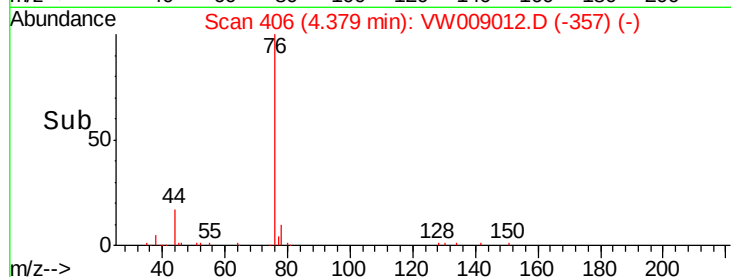
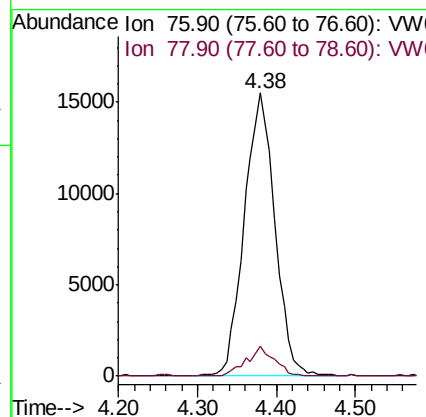
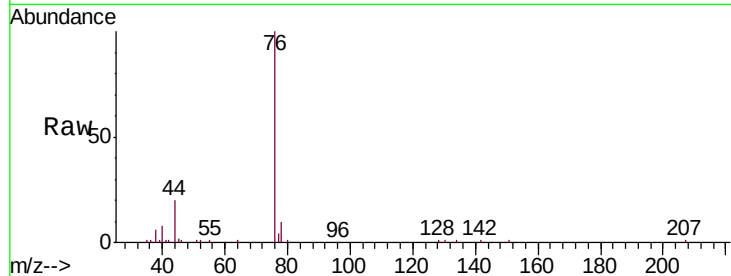
#17
Carbon Disulfide
Concen: 4.907 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.4	6.9	10.3#

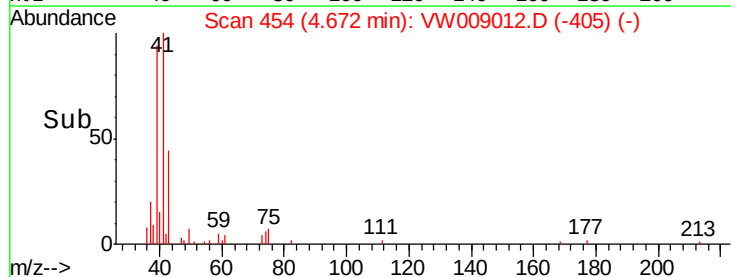
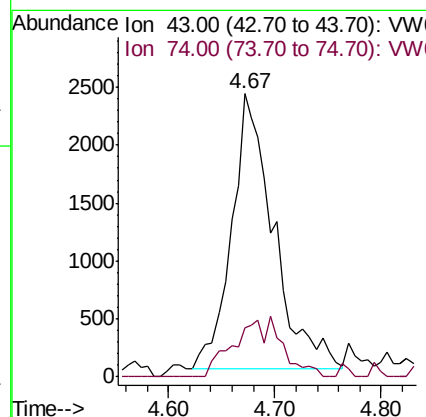
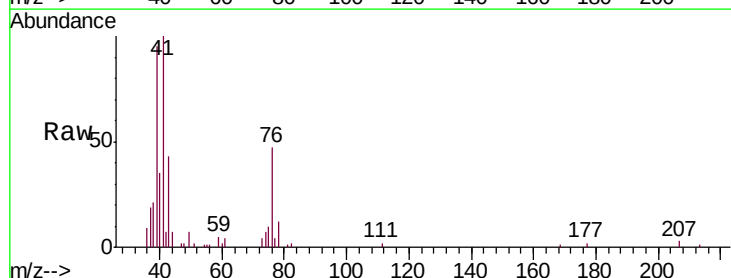
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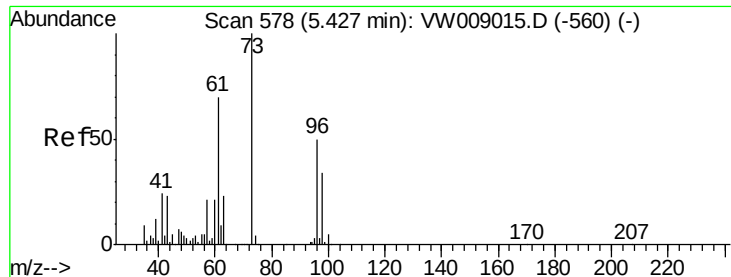
MMDadoda
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#18
Methyl Acetate
Concen: 4.760 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	17.7	26.5#





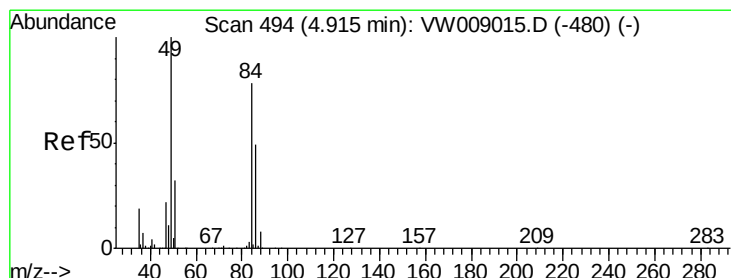
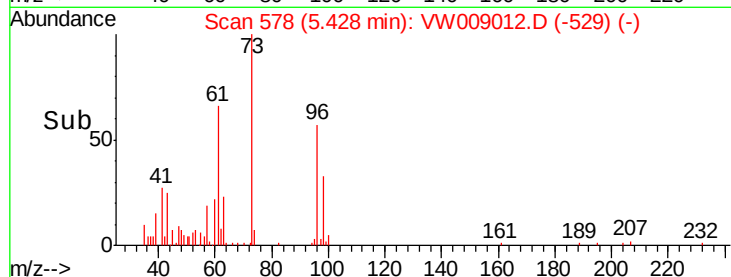
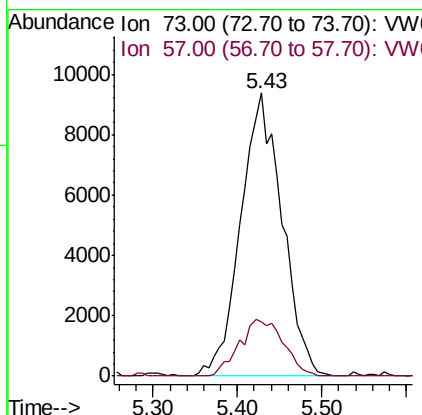
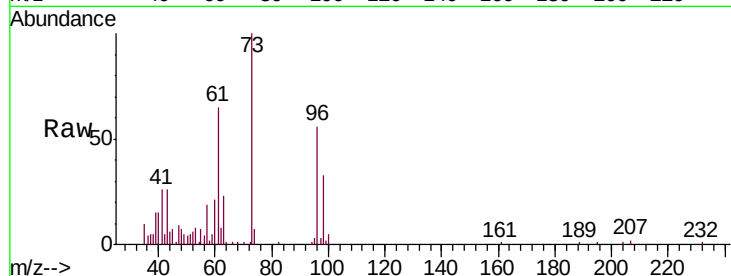
#19
Methyl tert-butyl Ether
Concen: 4.754 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion: 73 Resp: 31385
Ion Ratio Lower Upper
73 100
57 19.1 17.0 25.6

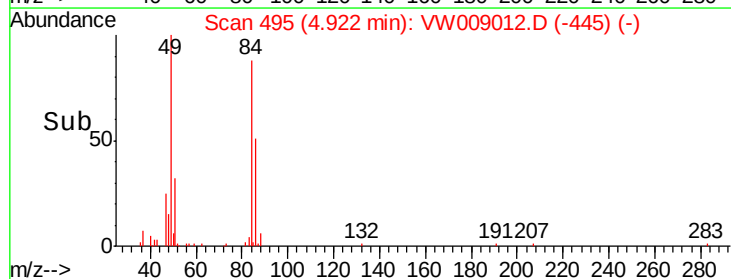
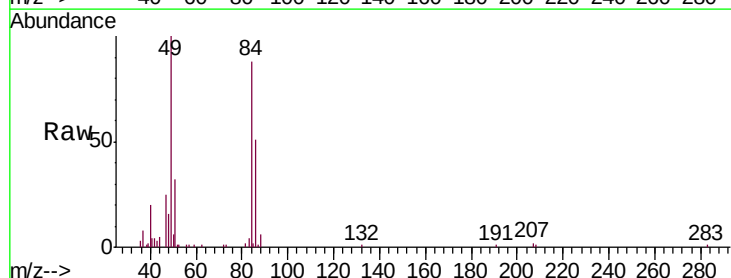
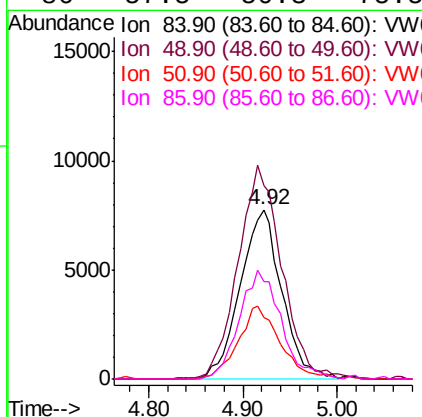
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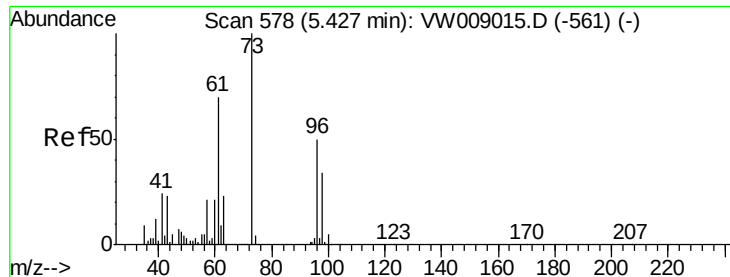
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#20
Methylene Chloride
Concen: 6.808 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 84 Resp: 23968
Ion Ratio Lower Upper
84 100
49 112.8 102.8 154.2
51 36.2 32.4 48.6
86 57.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 5.180 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

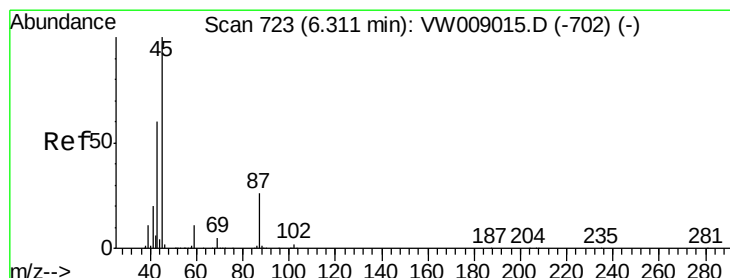
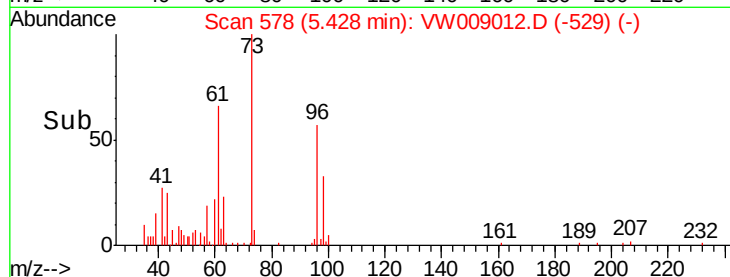
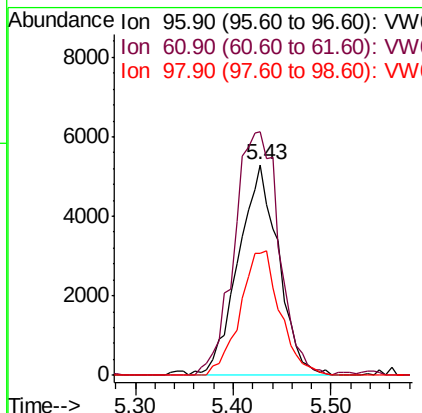
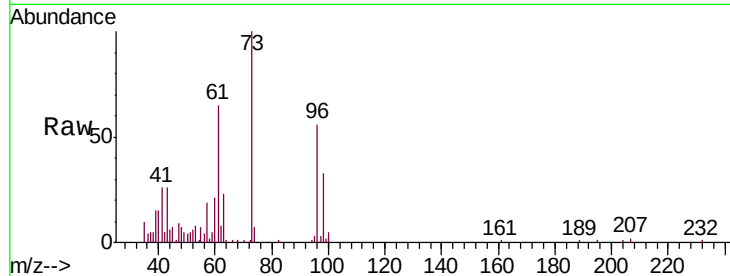
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	15110
Ion	Ratio	Lower	Upper
96	100		
61	115.8	113.2	169.8
98	58.2	55.7	83.5

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#22

Diisopropyl ether

Concen: 4.649 ug/l

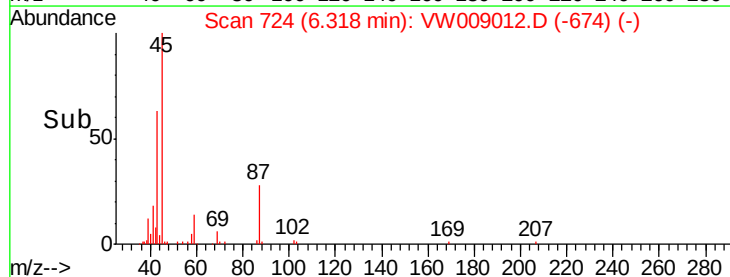
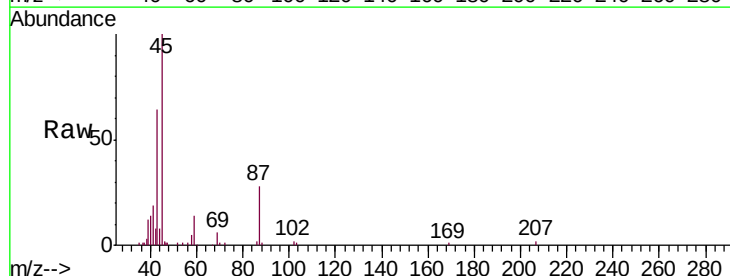
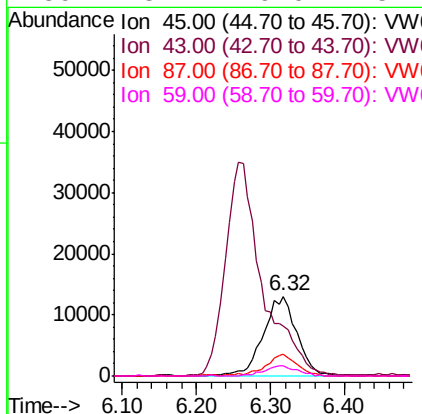
RT: 6.32 min Scan# 724

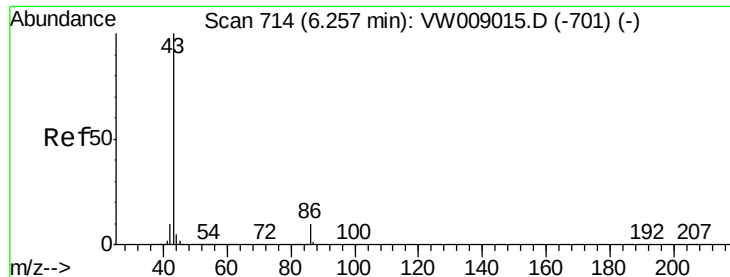
Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion:	45	Resp:	40925
Ion	Ratio	Lower	Upper
45	100		
43	62.2	48.1	72.1
87	27.9	20.9	31.3
59	13.7	9.0	13.4#





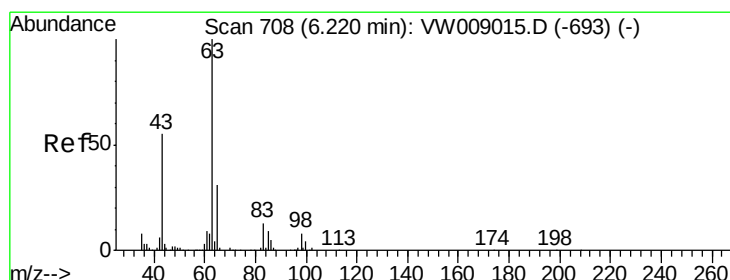
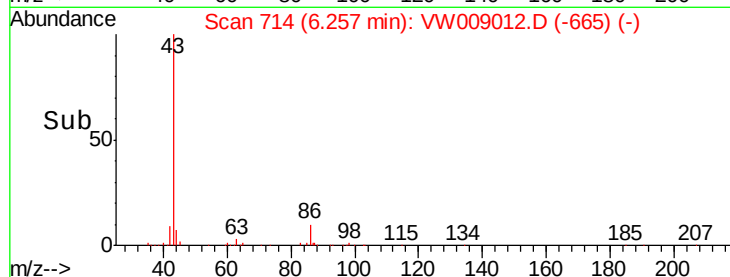
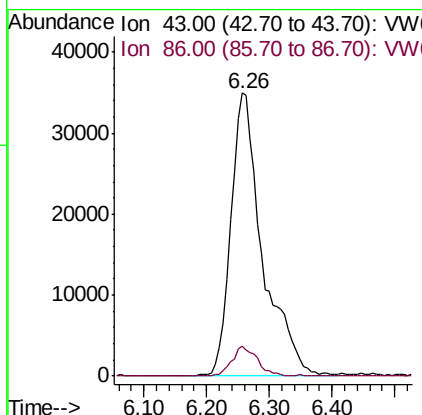
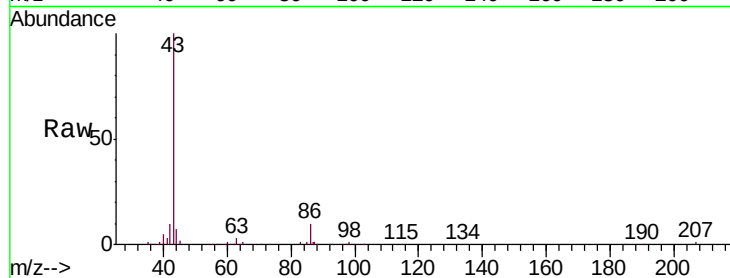
#23
 Vinyl Acetate
 Concen: 22.283 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.0	12.0

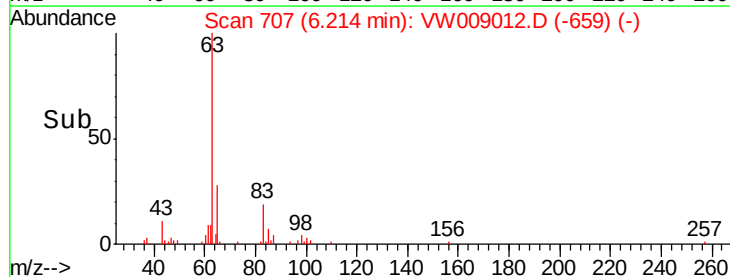
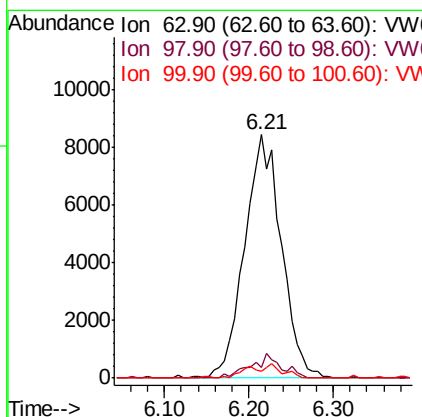
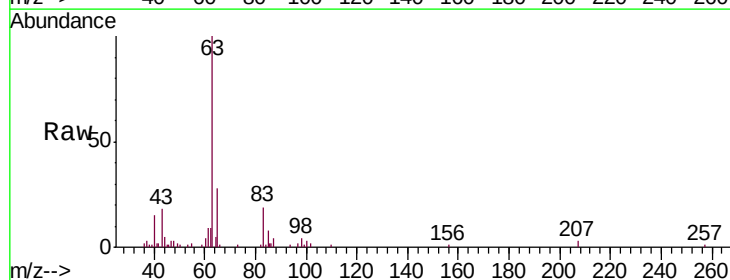
Manual Integrations
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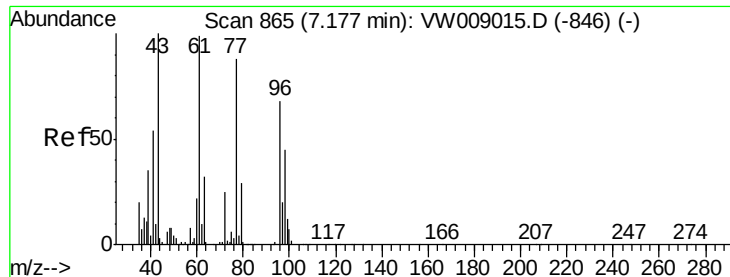
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#24
 1,1-Dichloroethane
 Concen: 4.891 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.2	4.0	12.2
100	2.6	2.0	5.8





#25

2-Butanone

Concen: 24.846 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tgt Ion: 43 Resp: 21265

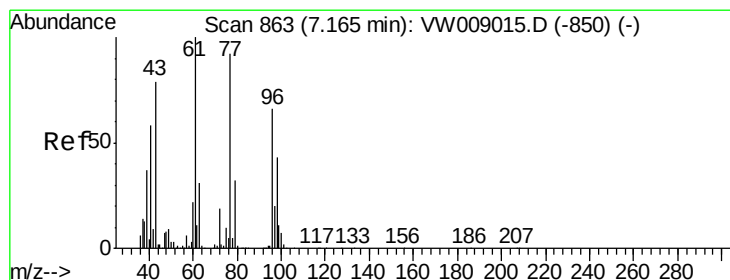
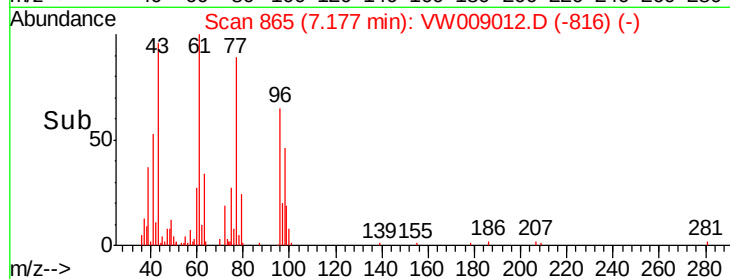
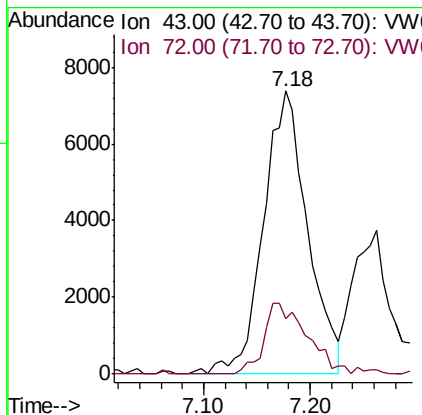
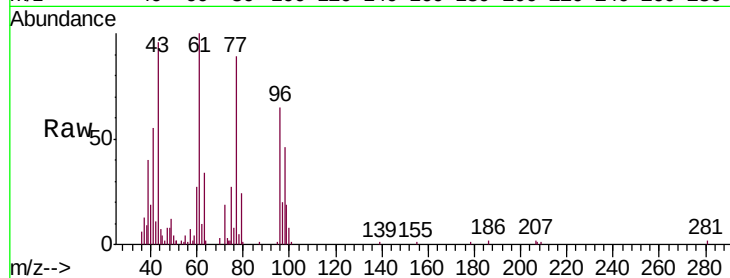
Ion Ratio Lower Upper

43 100

72 19.5 20.2 30.2#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.210 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009012.D

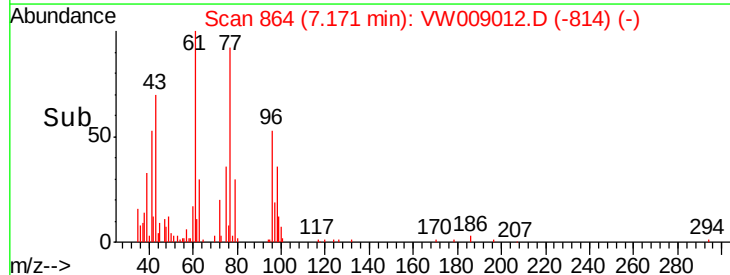
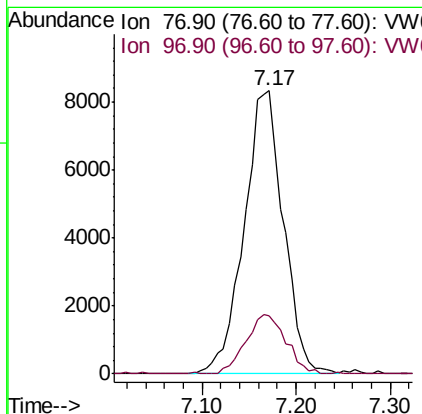
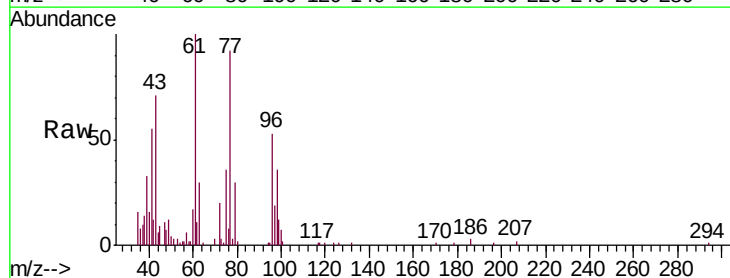
Acq: 06 Mar 2019 10:52

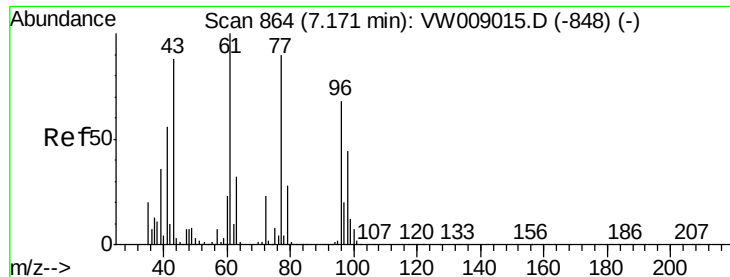
Tgt Ion: 77 Resp: 24396

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1





#27

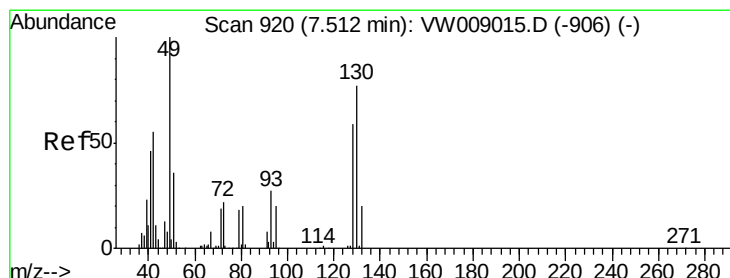
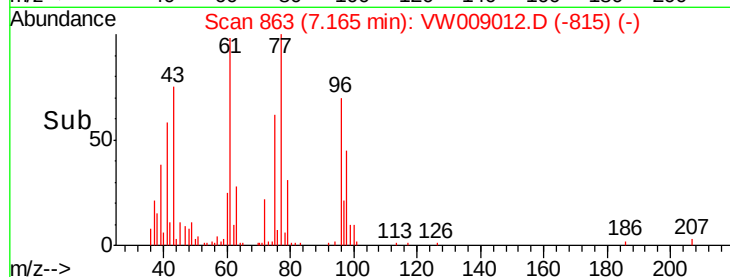
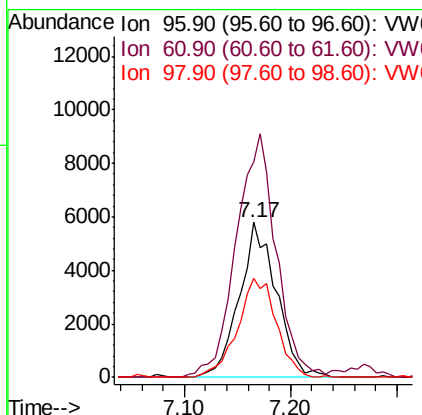
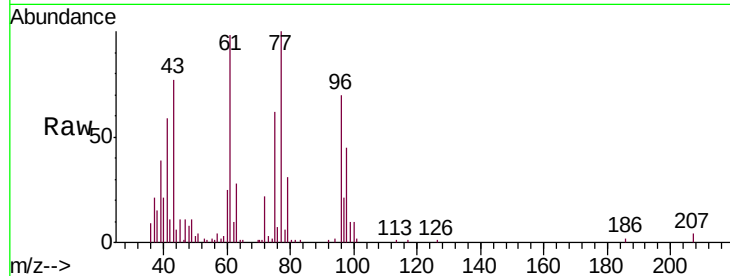
cis-1,2-Dichloroethene
Concen: 4.607 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	14146		
61	169.1	0.0	303.6	
98	66.8	0.0	129.0	

Manual Integrations
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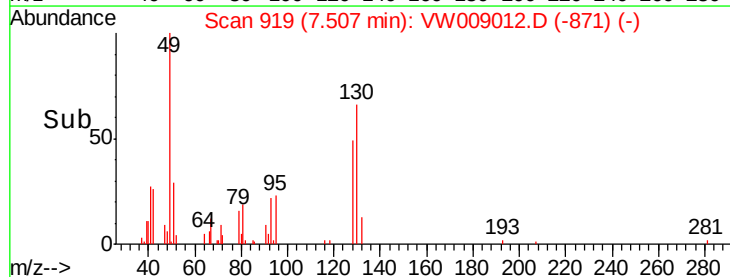
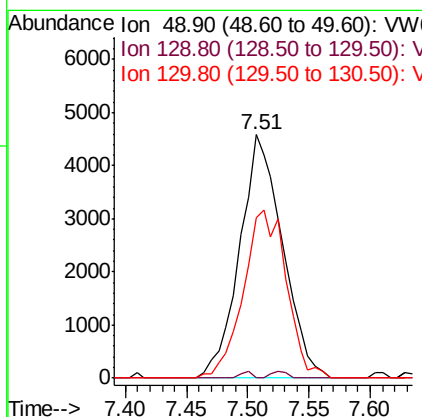
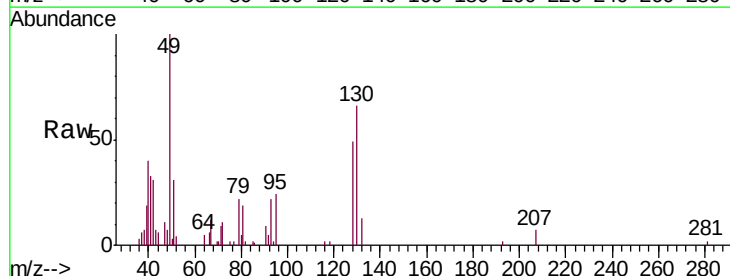
MMDadoda
3/8/2019 12:07:00 AM

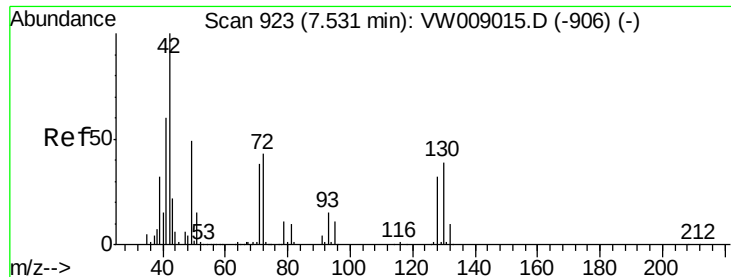


#28

Bromochloromethane
Concen: 5.014 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	11142		
129	0.7	0.0	3.2	
130	69.5	59.9	89.9	





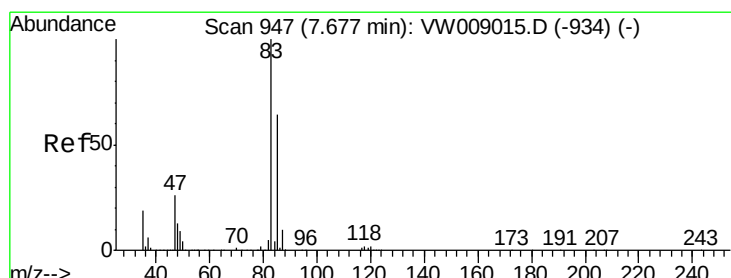
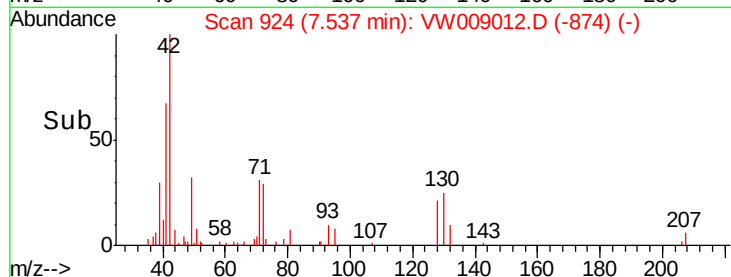
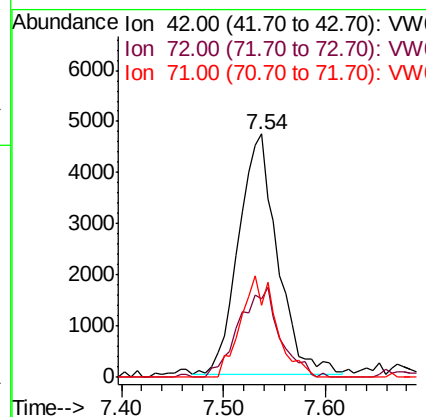
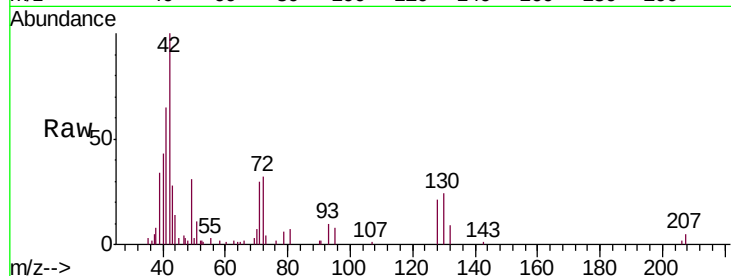
#29
Tetrahydrofuran
Concen: 23.005 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	42	Resp:	12370
Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.5	48.7
71	38.7	31.6	47.4

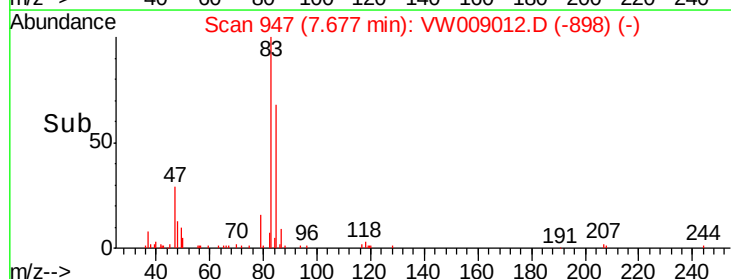
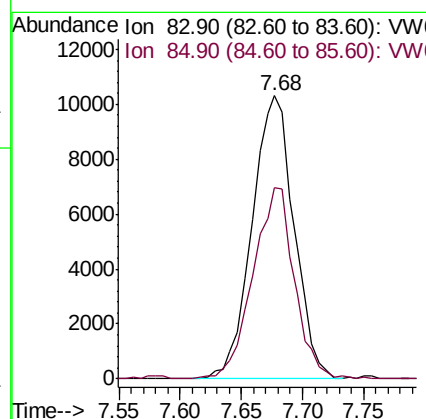
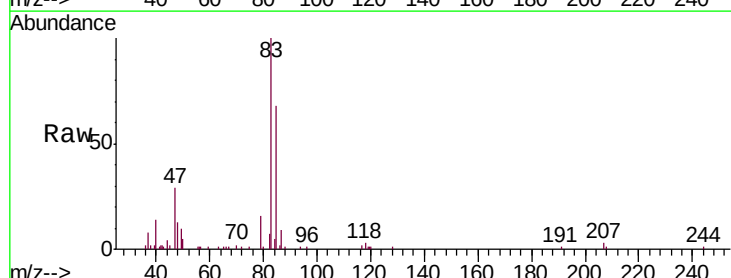
Manual Integrations
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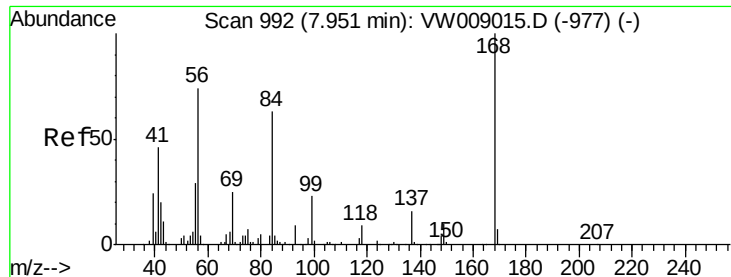
MMDadoda
3/8/2019 12:07:00 AM



#30
Chloroform
Concen: 4.696 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion:	83	Resp:	24609
Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.4	77.0





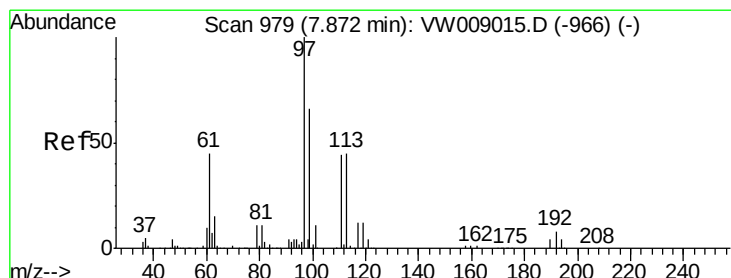
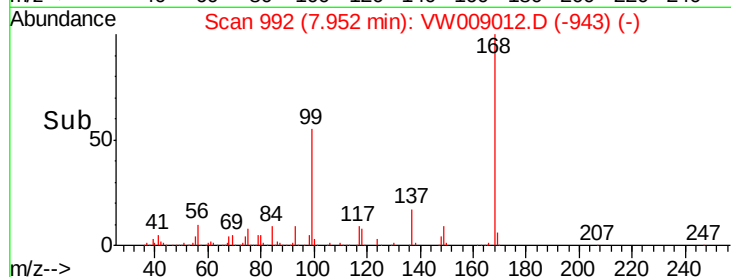
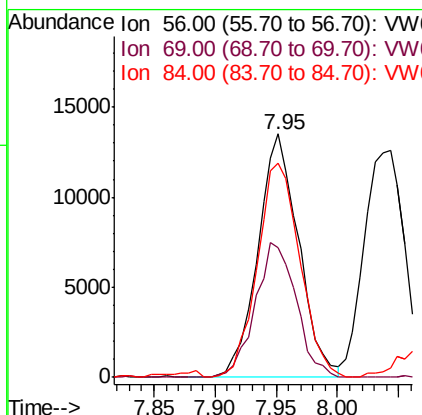
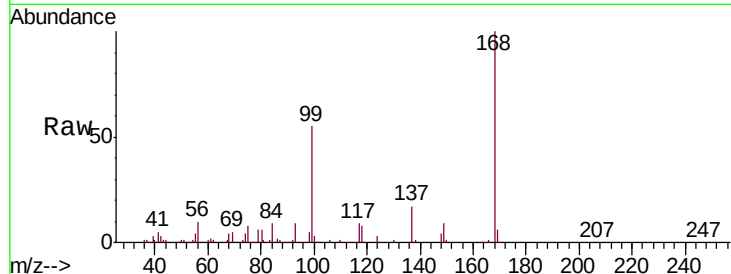
#31
Cyclohexane
Concen: 5.957 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	53.1	27.0	40.4#
84	86.5	68.3	102.5

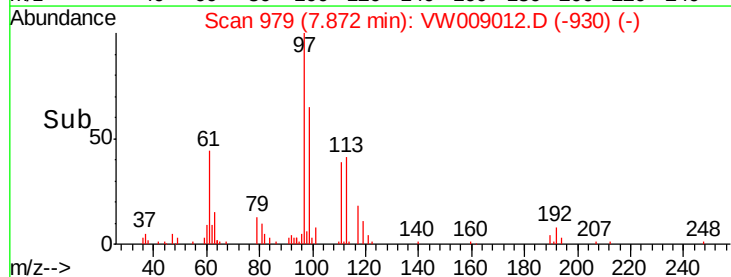
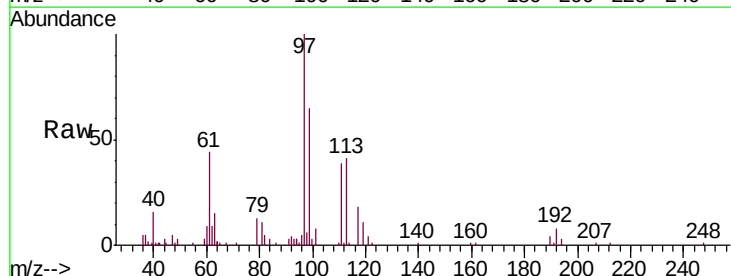
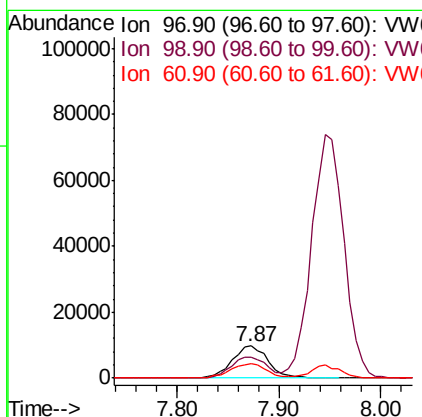
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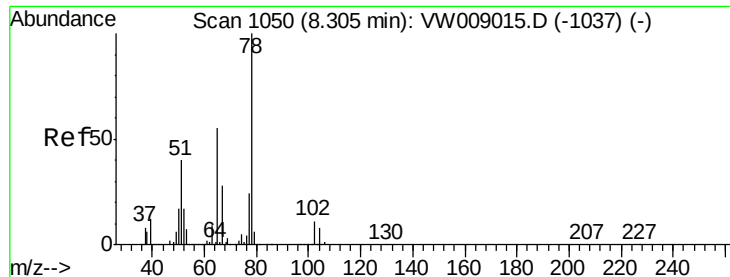
MMDadoda
3/8/2019 12:07:00 AM



#32
1,1,1-Trichloroethane
Concen: 4.940 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.4	51.4	77.0
61	45.5	37.4	56.0





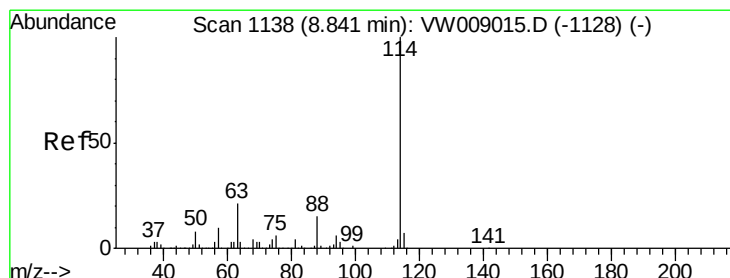
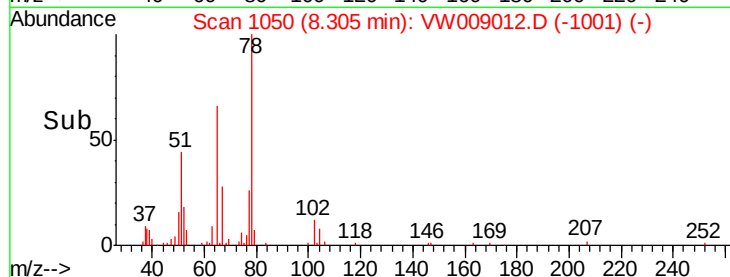
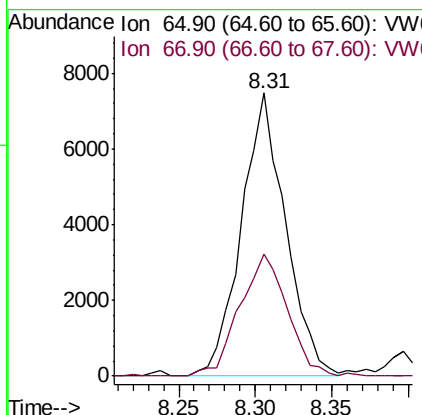
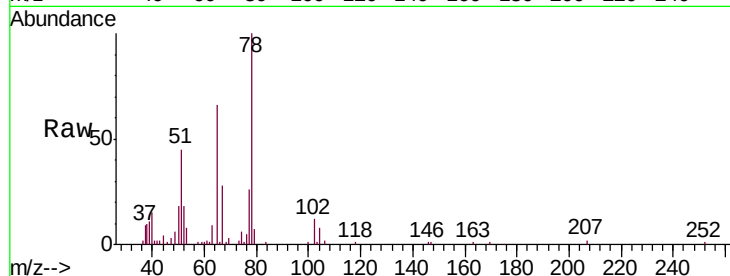
#33
 1,2-Dichloroethane-d4
 Concen: 5.140 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
65	100		
67	46.1	0.0	102.2

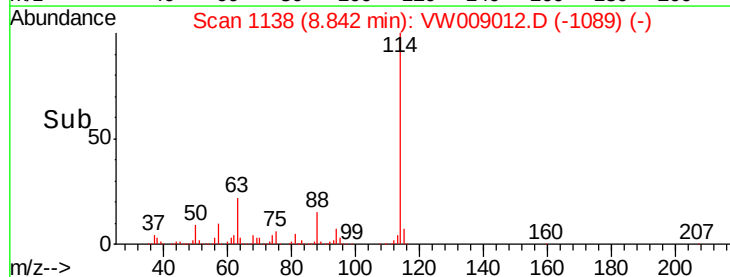
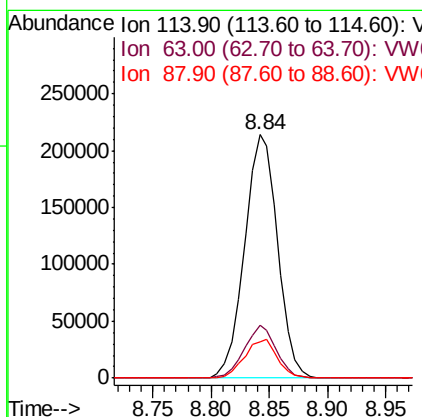
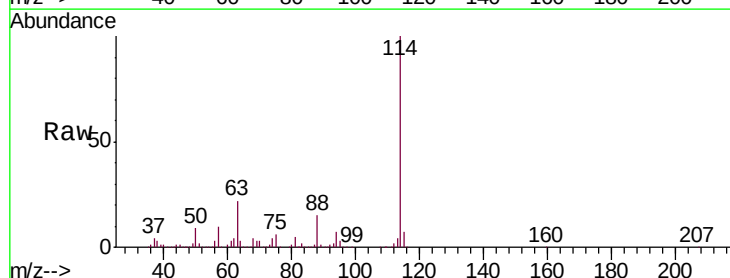
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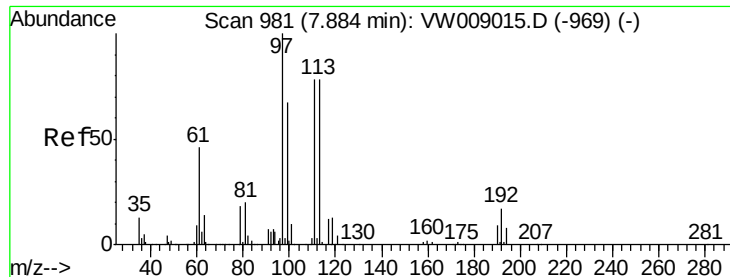
MMDadoda
 3/8/2019 12:07:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	14.8	0.0	30.8





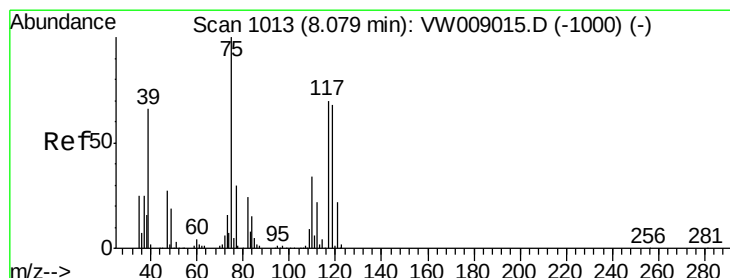
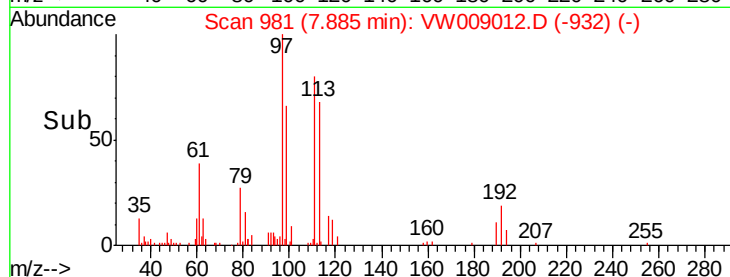
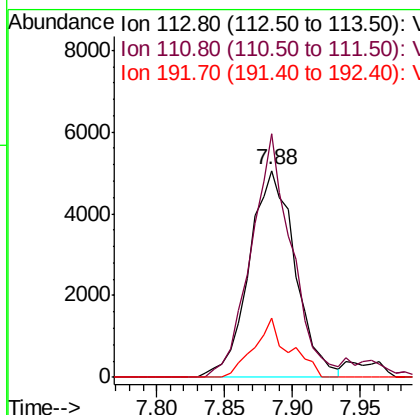
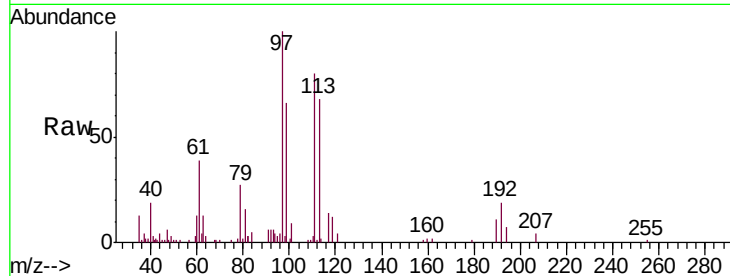
#35
 Dibromofluoromethane
 Concen: 4.721 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.5	120.7
192	21.8	16.7	25.1

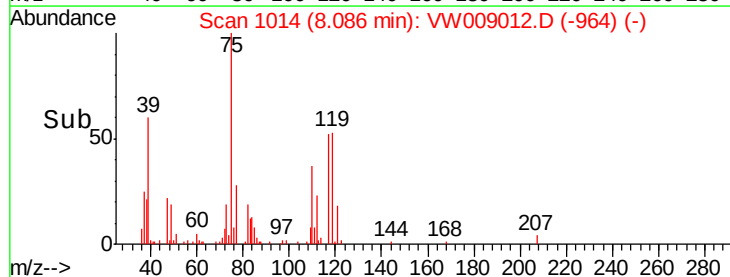
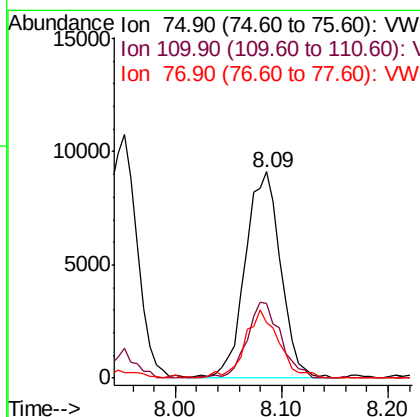
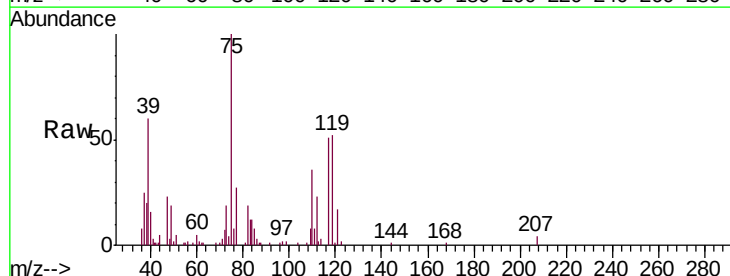
Manual Integrations
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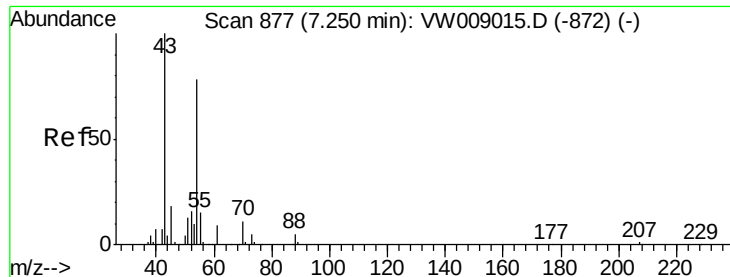
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#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	51.9
77	31.4	24.8	37.2





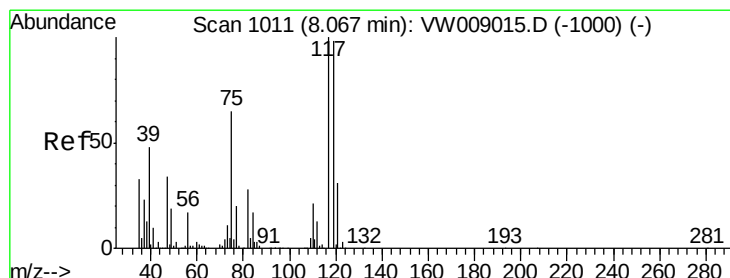
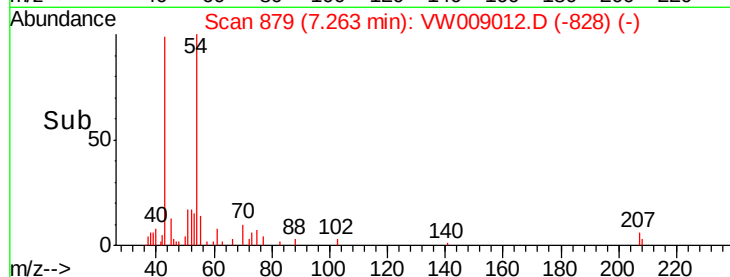
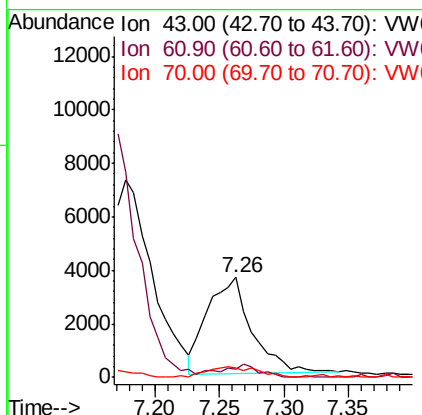
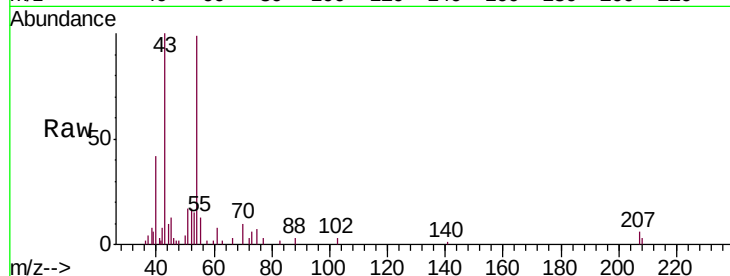
#37
 Ethyl Acetate
 Concen: 4.722 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.6	15.8
70	12.8	7.8	11.8#

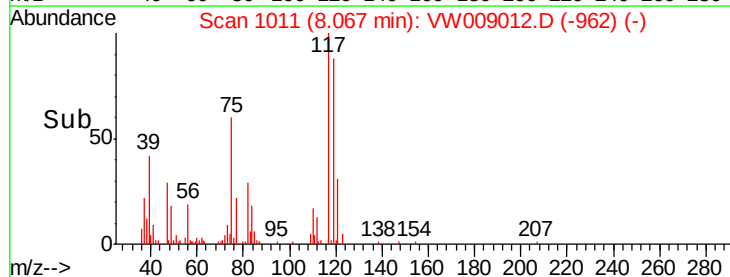
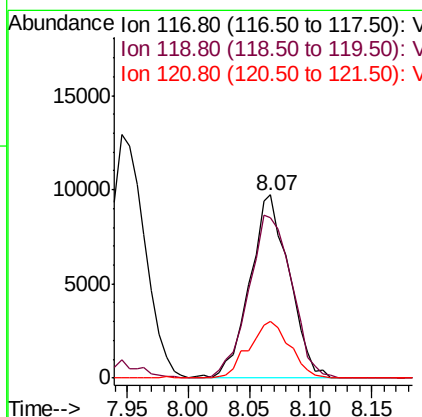
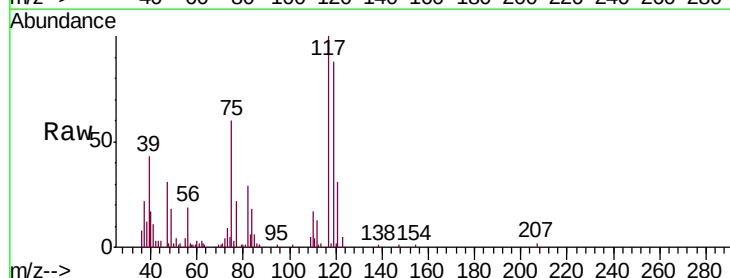
Manual Integrations
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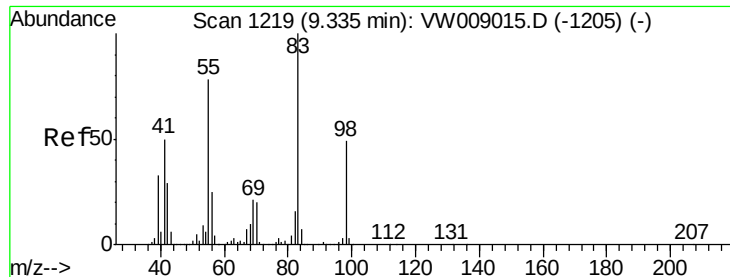
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#38
 Carbon Tetrachloride
 Concen: 5.025 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.5	78.4	117.6
121	31.3	24.7	37.1





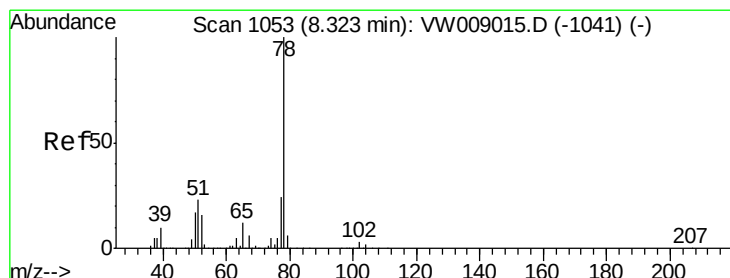
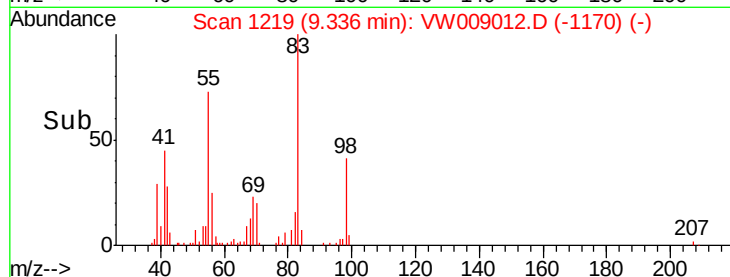
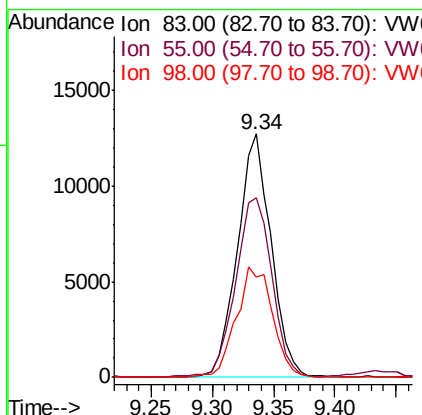
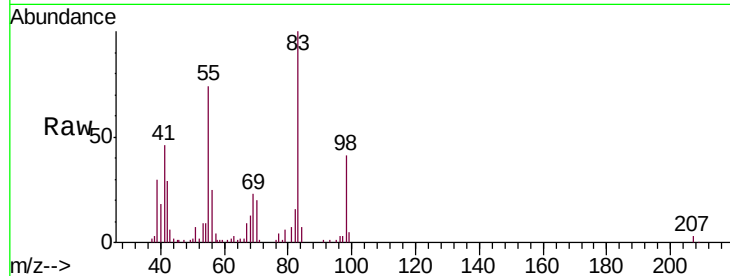
#39
Methylcyclohexane
Concen: 4.782 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.4	62.6	93.8
98	41.2	39.4	59.2

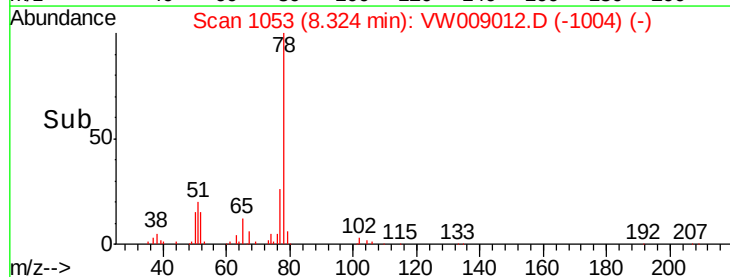
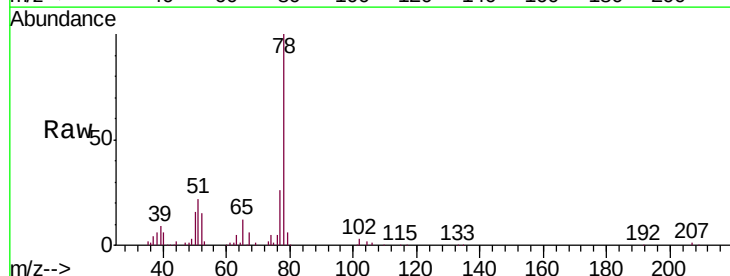
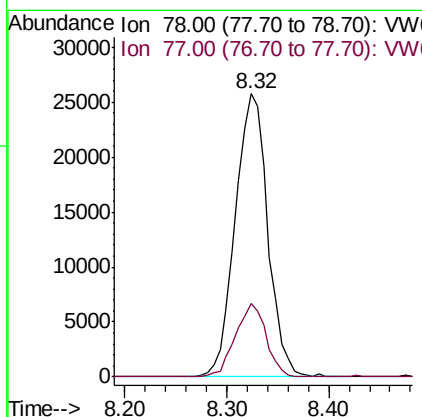
Manual Integrations
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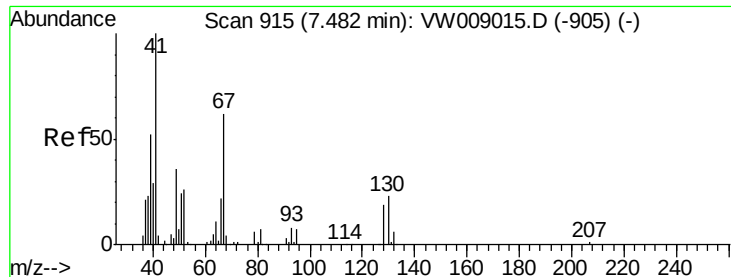
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#40
Benzene
Concen: 5.019 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.9	28.3





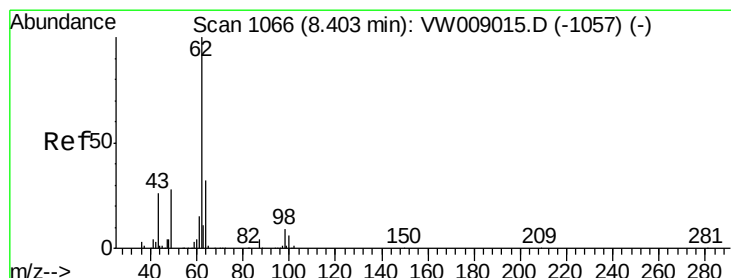
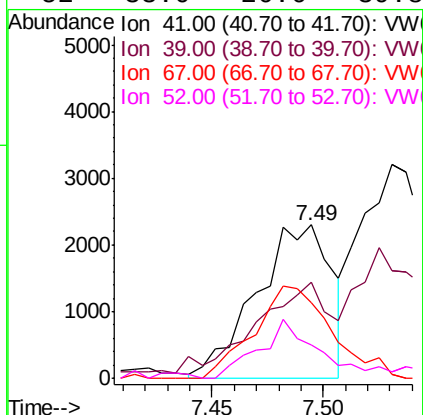
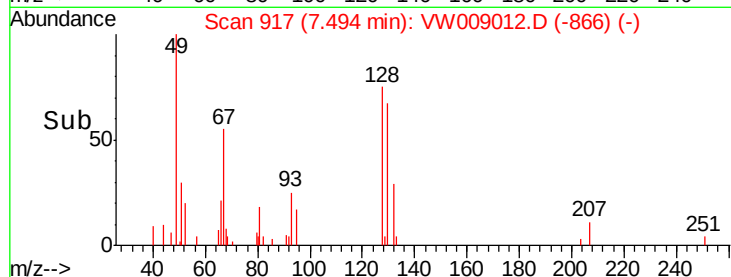
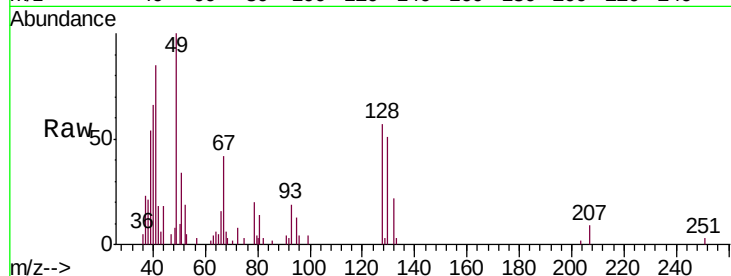
#41
Methacrylonitrile
Concen: 4.905 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.2	50.6	75.8
67	61.9	59.0	88.6
52	33.0	26.6	39.8

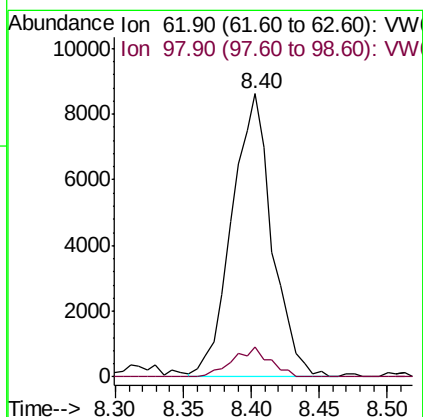
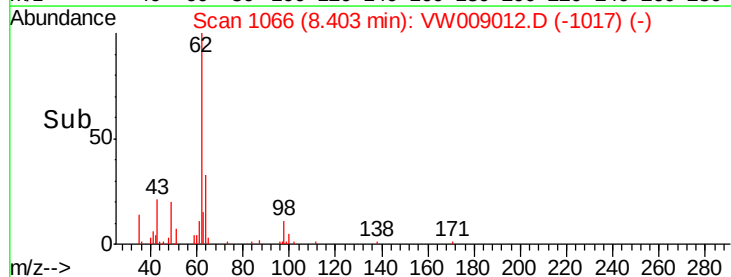
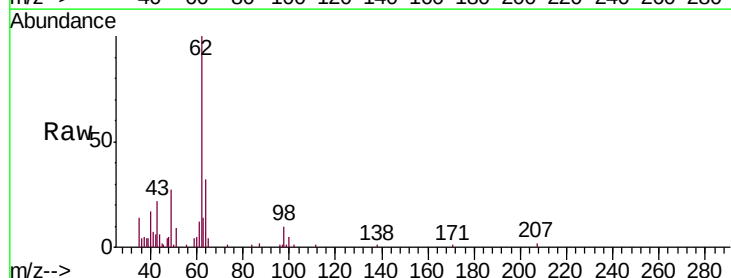
Manual Integrations
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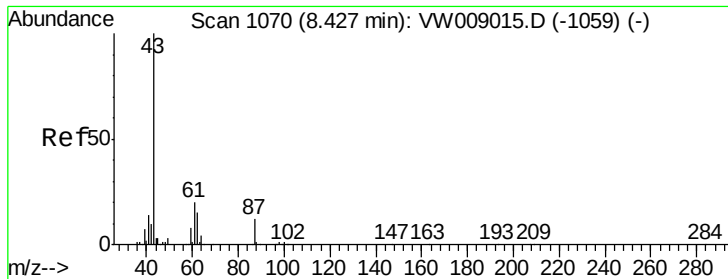
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#42
1,2-Dichloroethane
Concen: 4.883 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 4.600 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

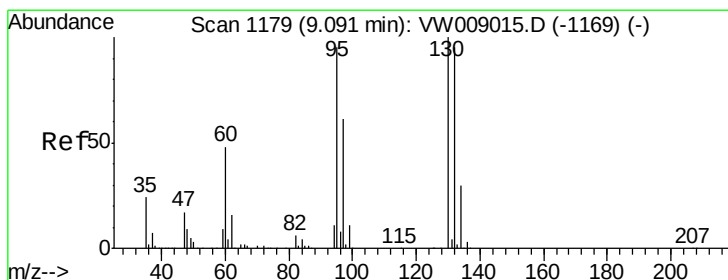
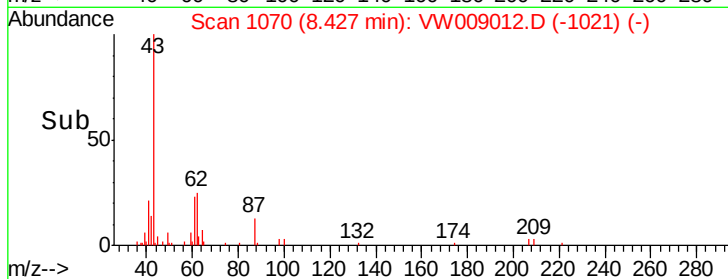
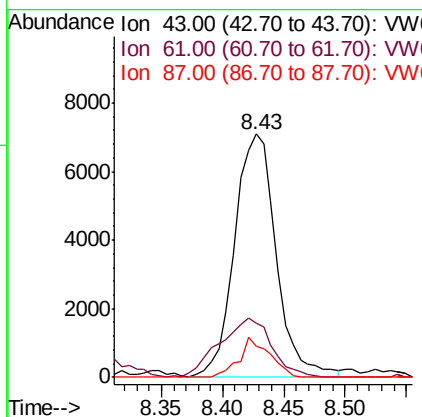
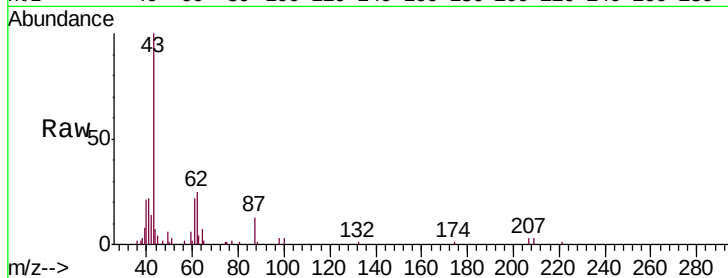
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	16798
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.5	35.3
87	12.1	9.4	14.2

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#44

Trichloroethene

Concen: 5.090 ug/l

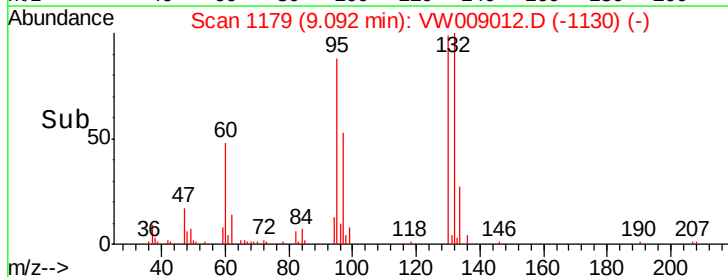
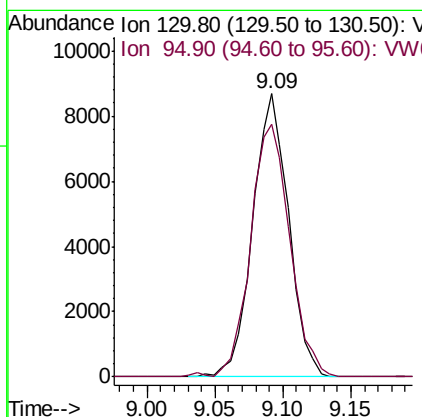
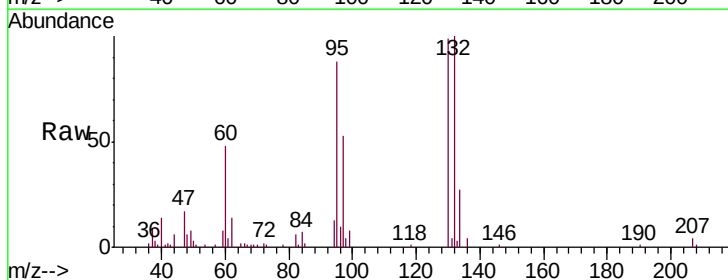
RT: 9.09 min Scan# 1179

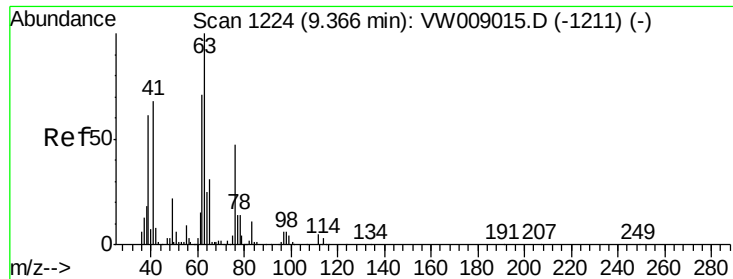
Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion:	130	Resp:	16079
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	190.0





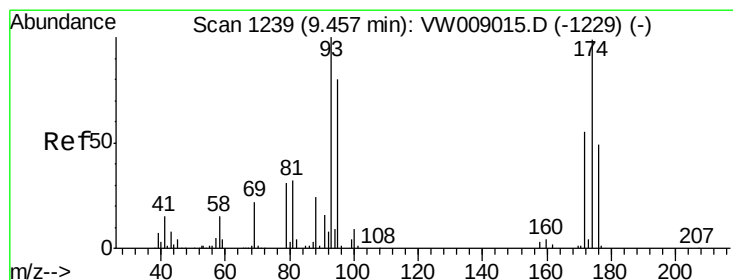
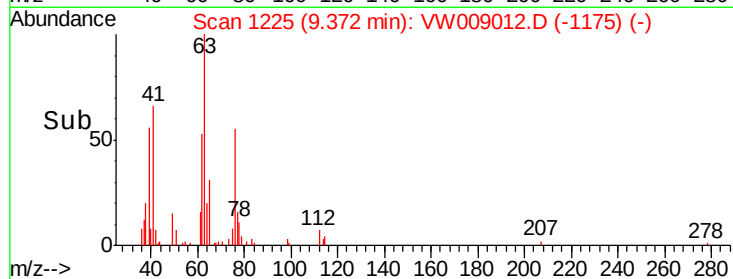
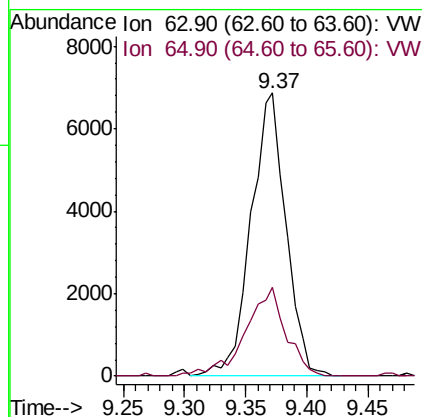
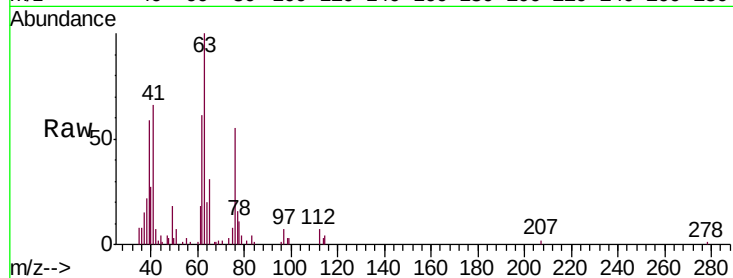
#45
 1,2-Dichloropropane
 Concen: 4.882 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.4

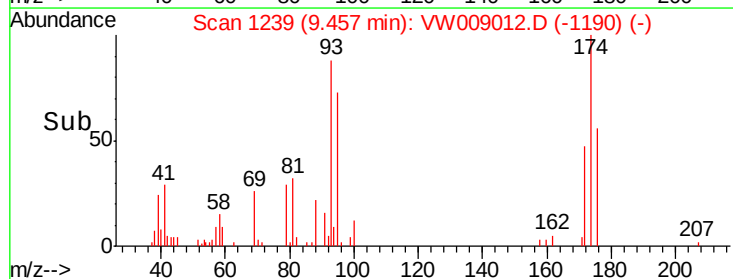
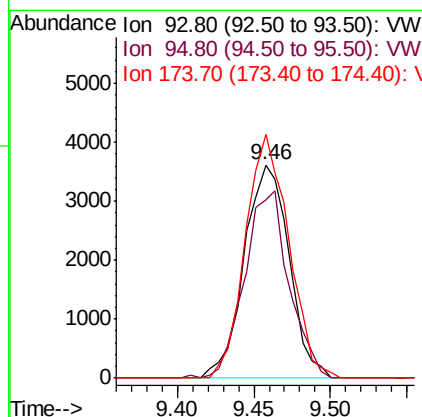
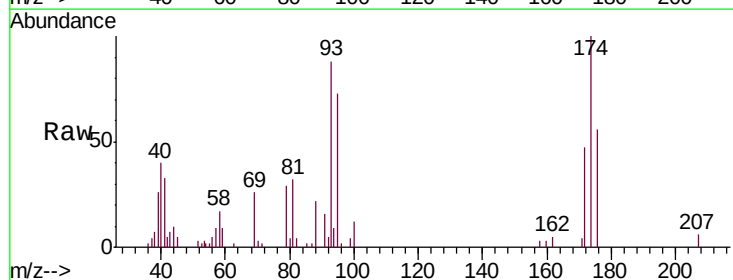
Manual Integrations
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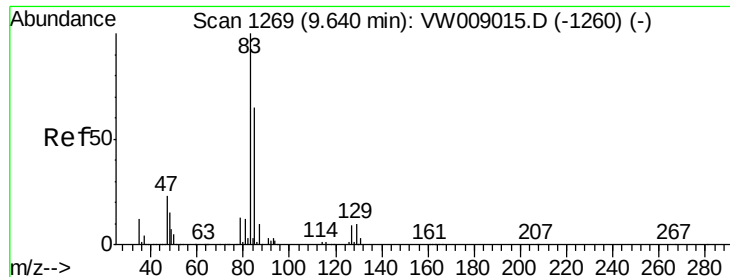
MMDadoda
 3/8/2019 12:07:00 AM



#46
 Dibromomethane
 Concen: 4.755 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.3	64.1	96.1
174	110.4	81.3	121.9





#47

Bromodichloromethane

Concen: 4.853 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

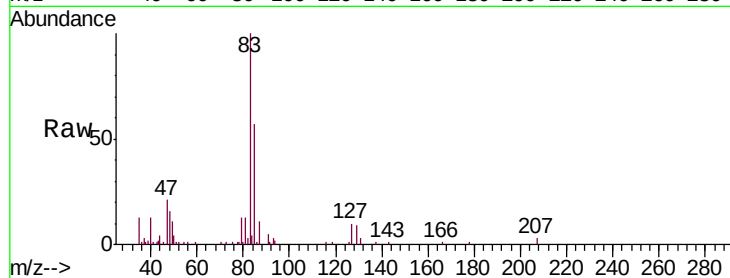
ClientSampled :

VSTDIC005

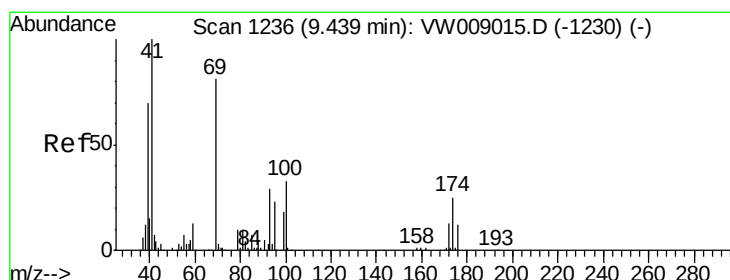
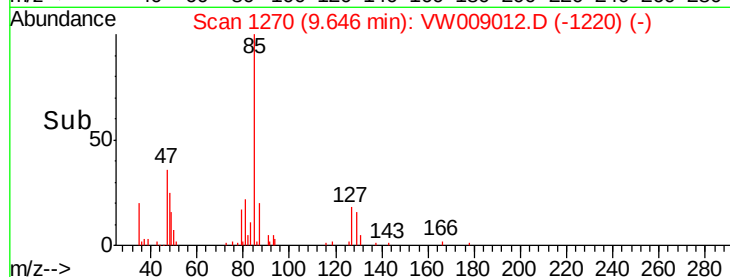
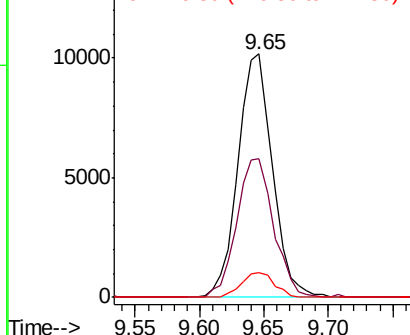
Tgt Ion:	83	Resp:	18851
Ion	Ratio	Lower	Upper
83	100		
85	56.9	51.9	77.9
127	10.1	7.0	10.6

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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: 4.387 ug/l

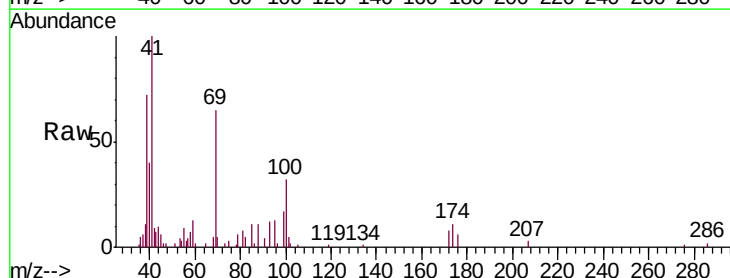
RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

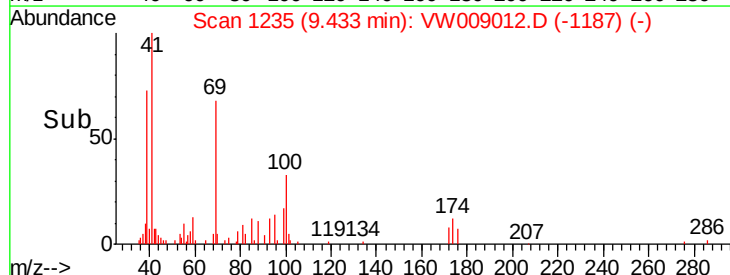
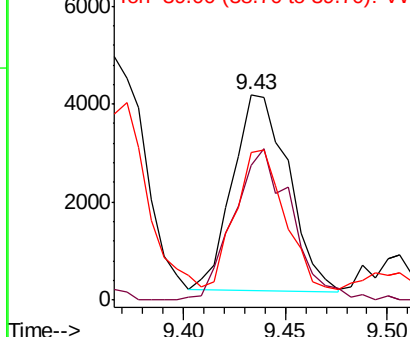
Lab File: VW009012.D

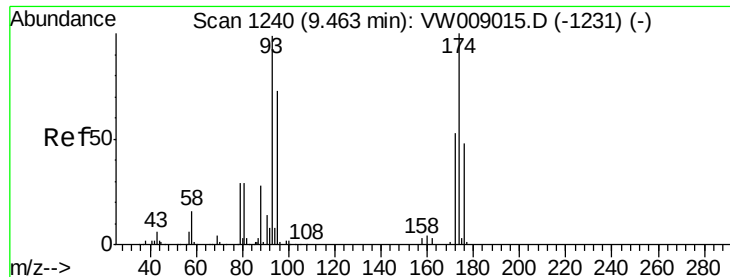
Acq: 06 Mar 2019 10:52

Tgt Ion:	41	Resp:	7570
Ion	Ratio	Lower	Upper
41	100		
69	81.3	61.8	92.6
39	62.9	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





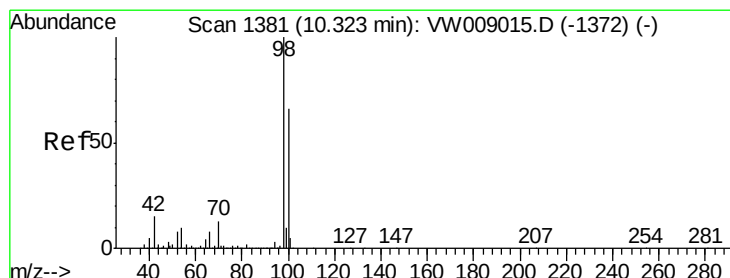
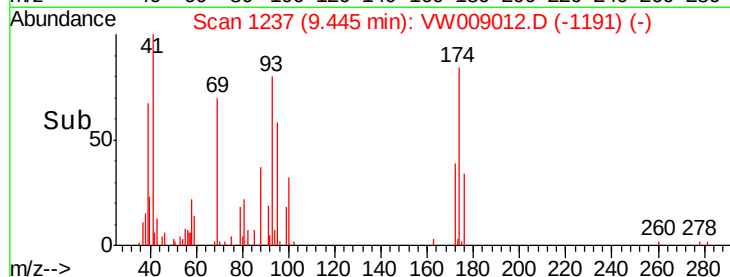
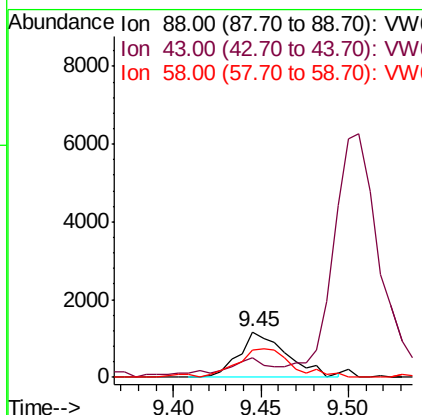
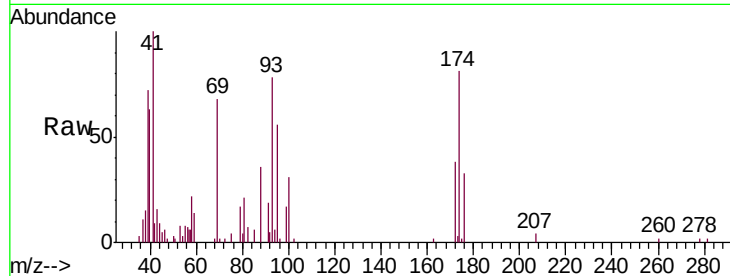
#49
1,4-Dioxane
Concen: 104.291 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	44.4	0.0	0.0#
58	71.9	55.0	82.6

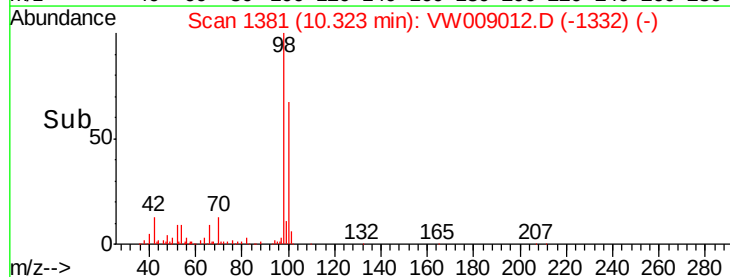
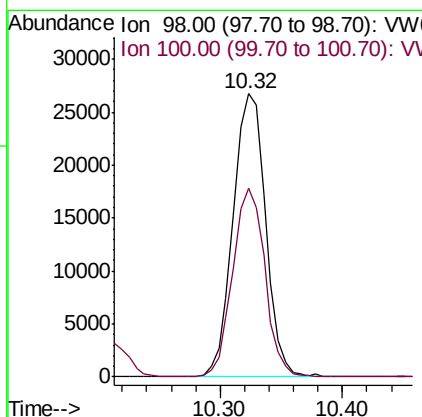
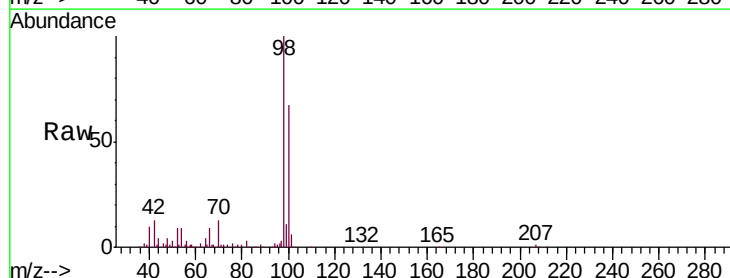
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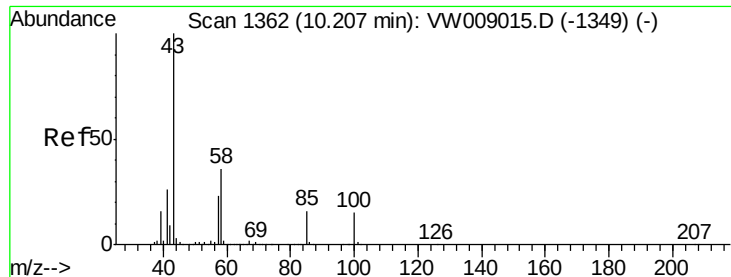
MMDadoda
3/8/2019 12:07:00 AM



#50
Toluene-d8
Concen: 4.709 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3





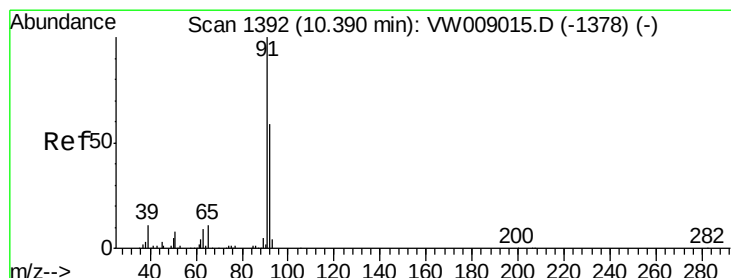
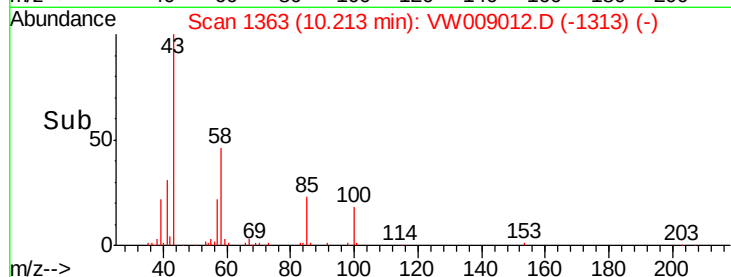
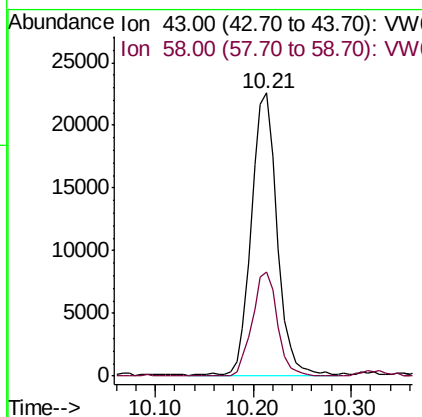
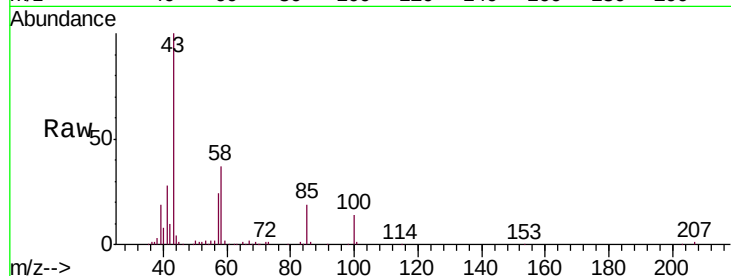
#51
 4-Methyl-2-Pentanone
 Concen: 22.380 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion: 43 Resp: 41331
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.4

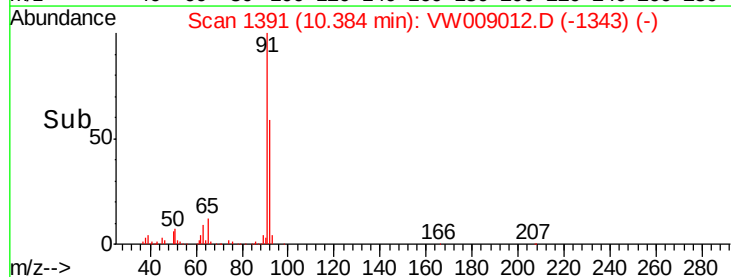
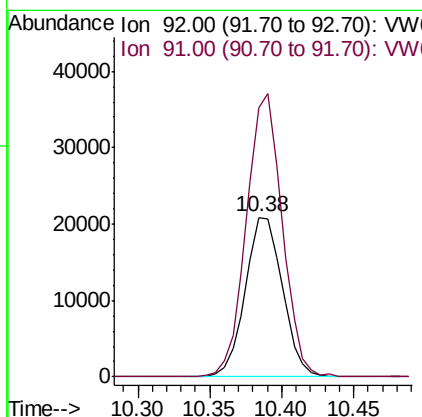
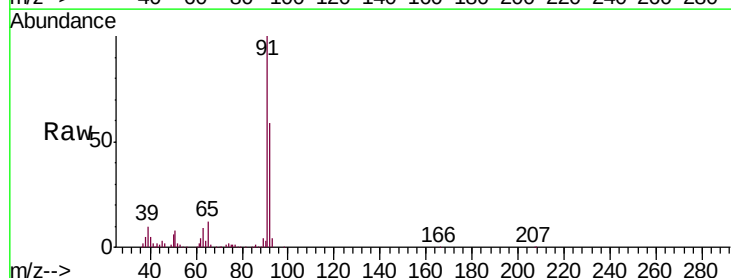
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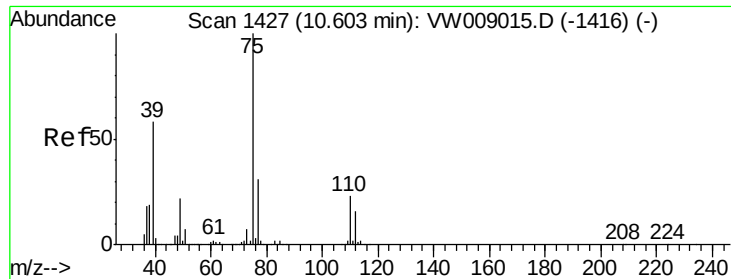
MMDadoda
 3/8/2019 12:07:00 AM



#52
 Toluene
 Concen: 4.877 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion: 92 Resp: 37299
 Ion Ratio Lower Upper
 92 100
 91 170.6 138.1 207.1





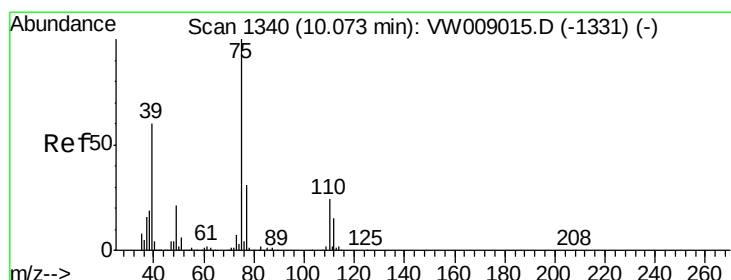
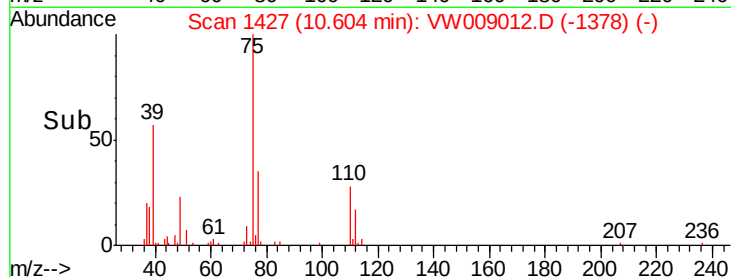
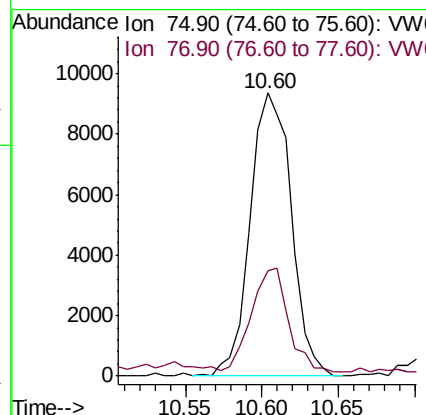
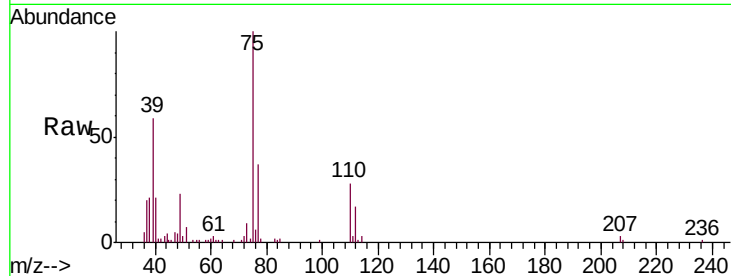
#53
t-1,3-Dichloropropene
Concen: 4.541 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion: 75 Resp: 17498
Ion Ratio Lower Upper
75 100
77 36.0 24.8 37.2

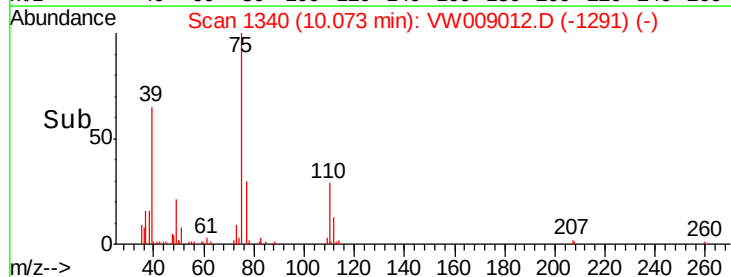
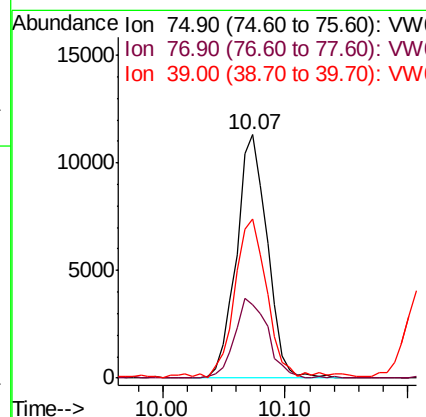
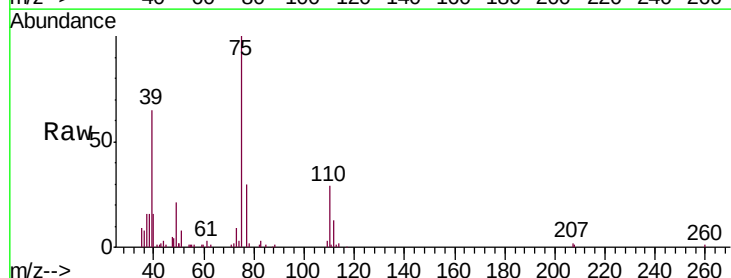
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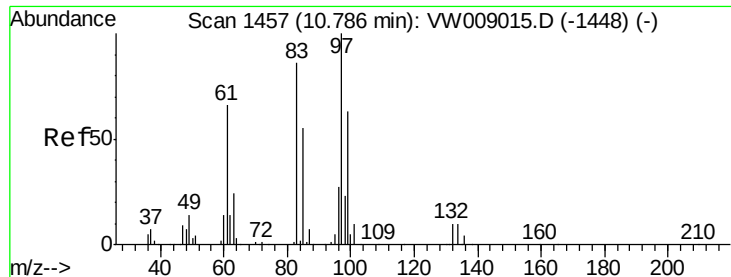
MMDadoda
3/8/2019 12:07:00 AM



#54
cis-1,3-Dichloropropene
Concen: 4.469 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 75 Resp: 19657
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.4
39 64.5 48.2 72.2





#55

1,1,2-Trichloroethane

Concen: 4.965 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

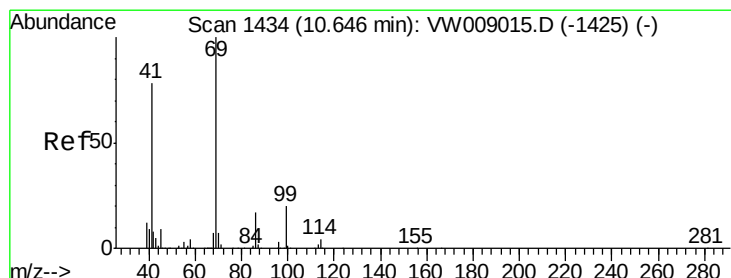
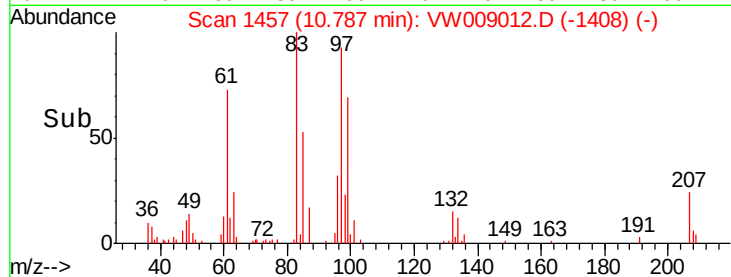
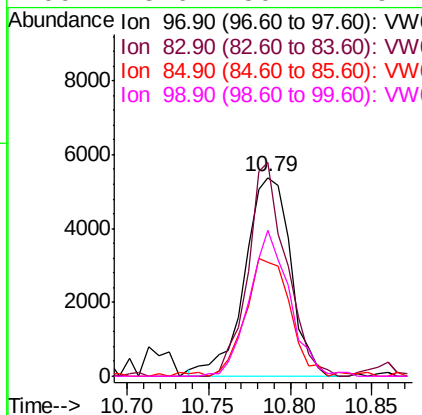
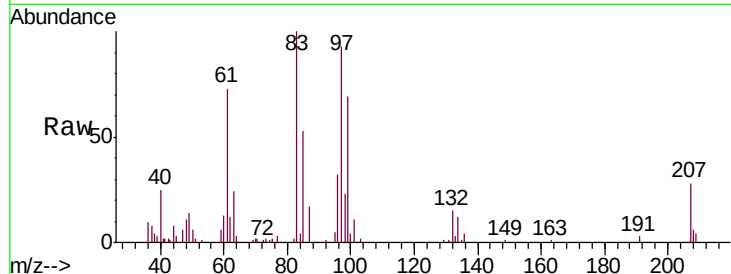
ClientSampleId :

VSTDIC005

Tgt Ion:	97	Resp:	10449
Ion	Ratio	Lower	Upper
97	100		
83	107.4	68.8	103.2#
85	55.7	43.7	65.5
99	73.6	50.1	75.1

Manual Integrations
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3/8/2019 12:07:00 AM



#56

Ethyl methacrylate

Concen: 4.164 ug/l

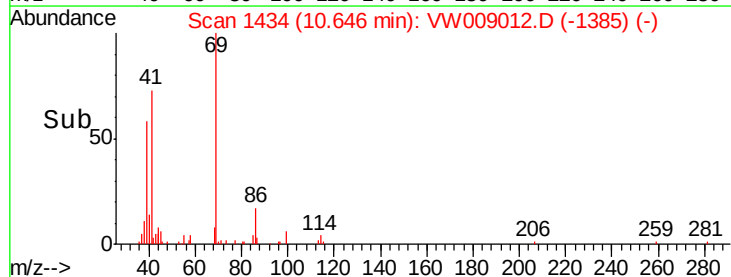
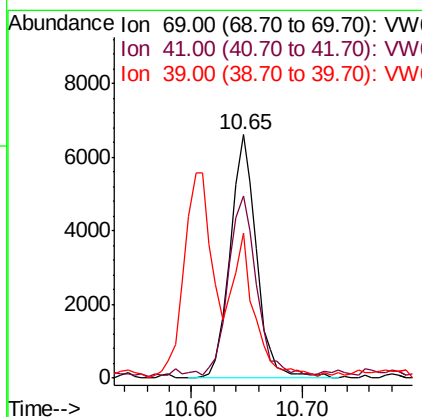
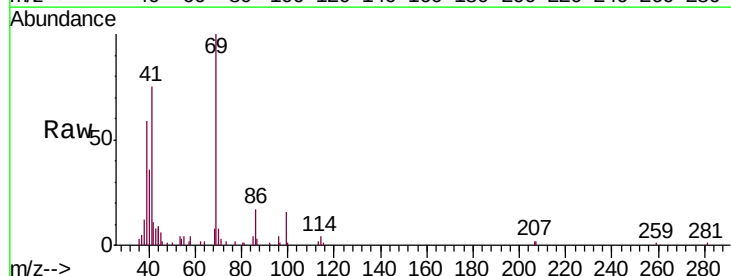
RT: 10.65 min Scan# 1434

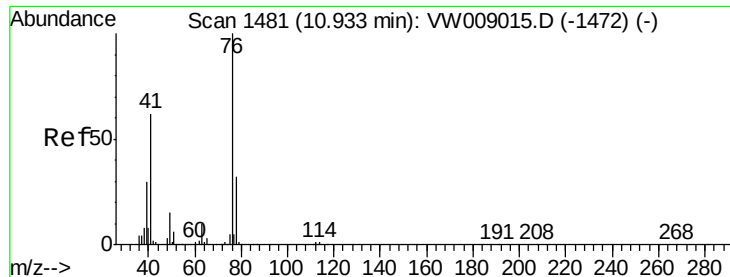
Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion:	69	Resp:	10839
Ion	Ratio	Lower	Upper
69	100		
41	77.3	58.9	88.3
39	49.8	37.6	56.4





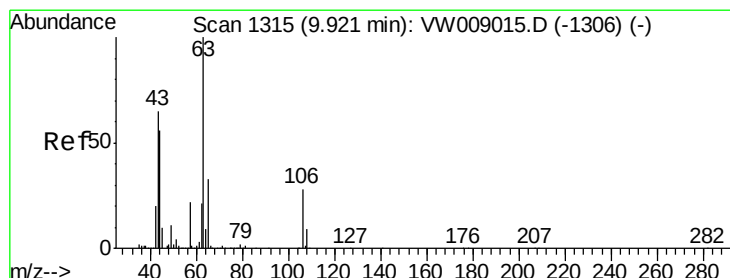
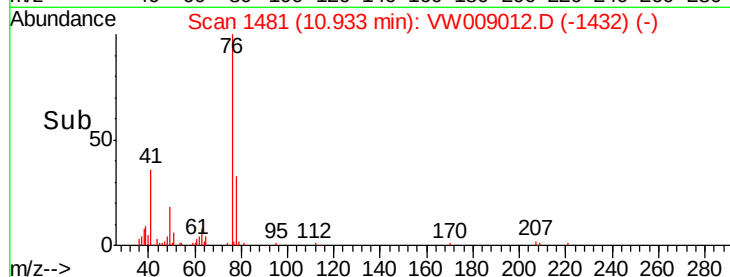
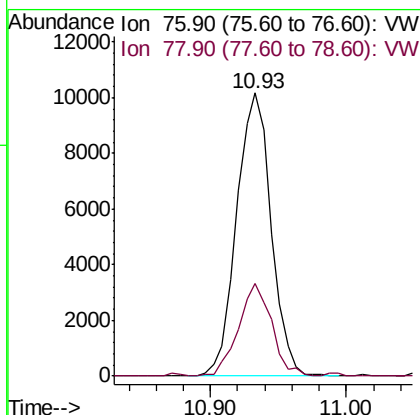
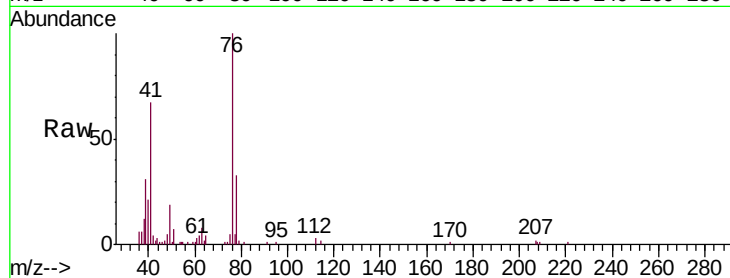
#57
 1,3-Dichloropropane
 Concen: 4.861 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion: 76 Resp: 17989
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.6 38.4

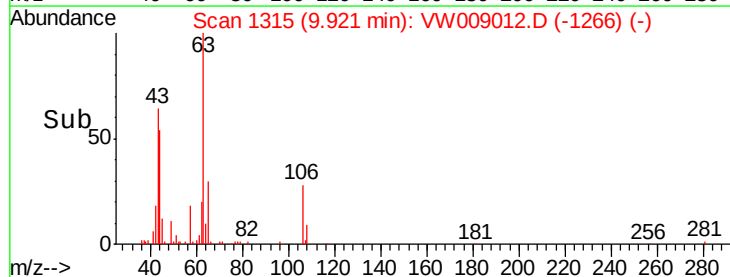
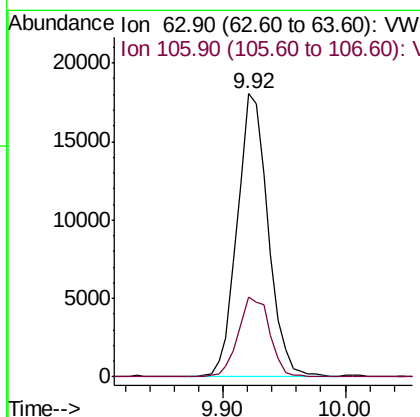
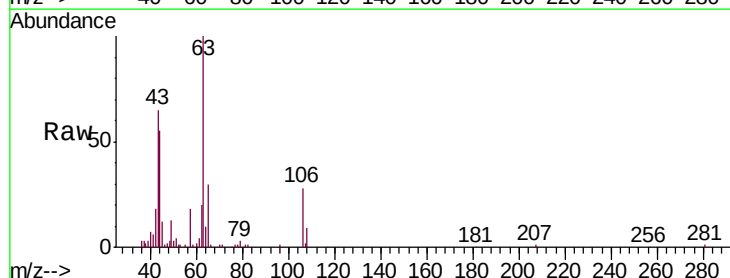
Manual Integrations
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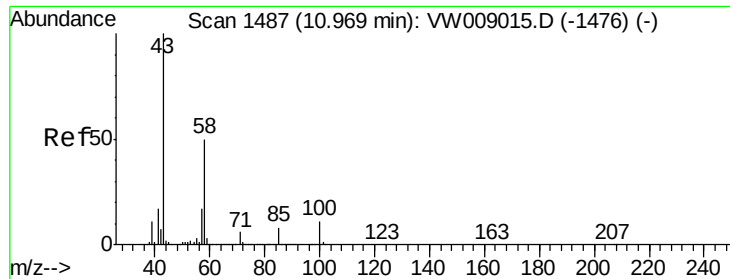
MMDadoda
 3/8/2019 12:07:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.899 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion: 63 Resp: 31630
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.0 34.6





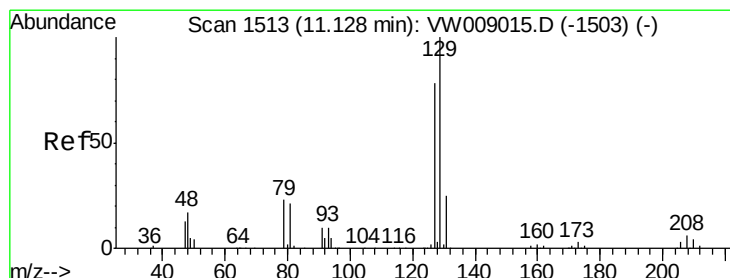
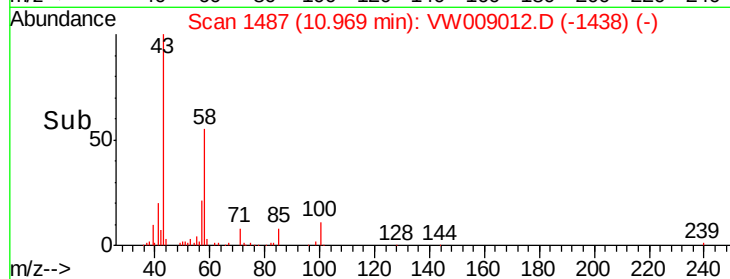
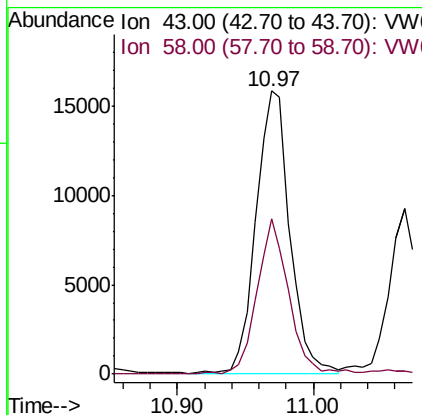
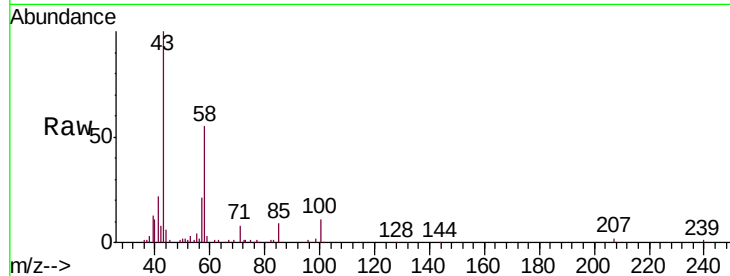
#59
2-Hexanone
Concen: 21.393 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 27774
Ion Ratio Lower Upper
43 100
58 51.2 25.3 75.8

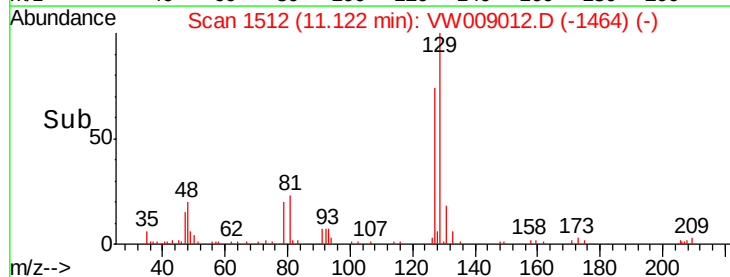
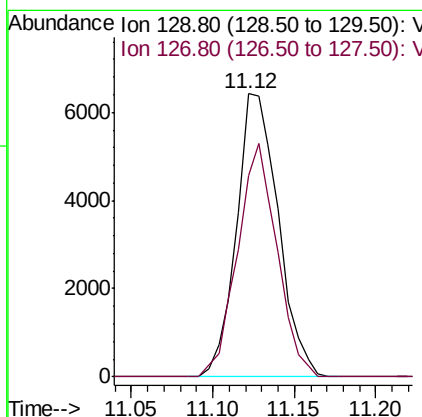
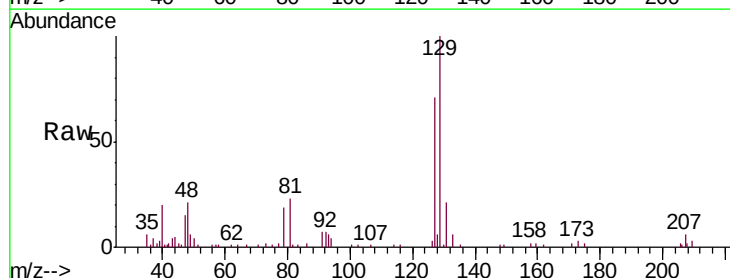
Manual Integrations
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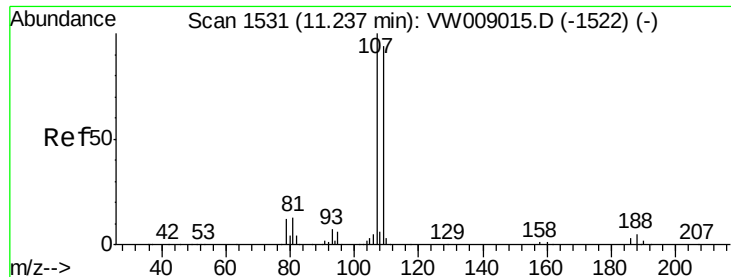
MMDadoda
3/8/2019 12:07:00 AM



#60
Dibromochloromethane
Concen: 4.474 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 129 Resp: 11436
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





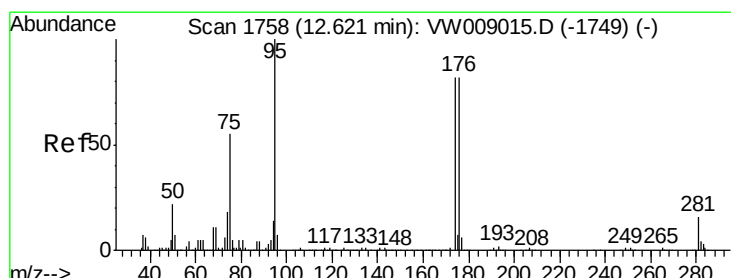
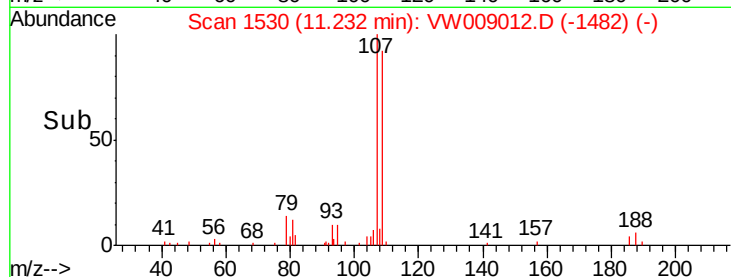
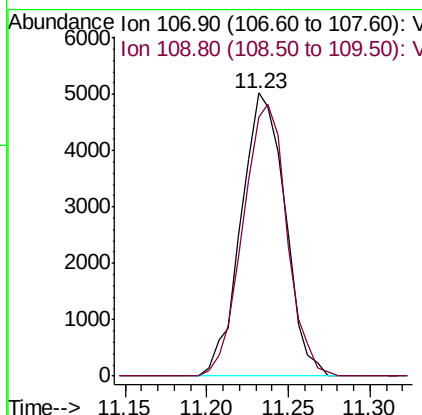
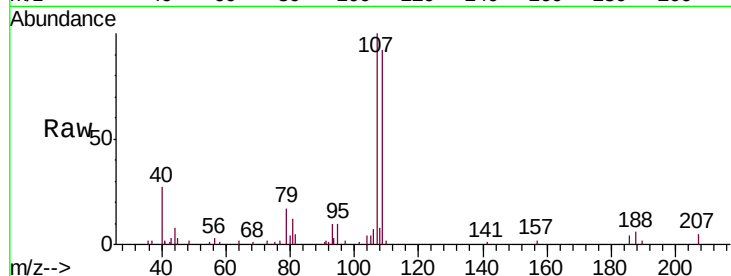
#61
 1,2-Dibromoethane
 Concen: 4.737 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 107 Resp: 9448
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.7 113.5

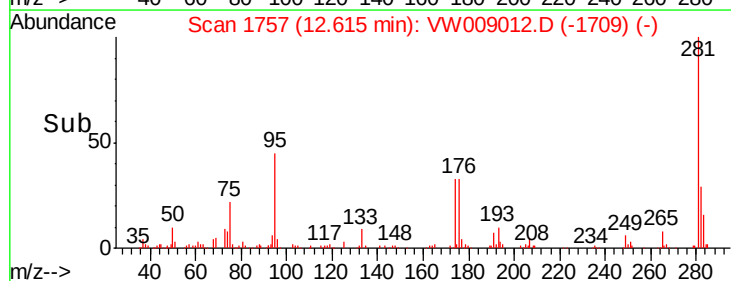
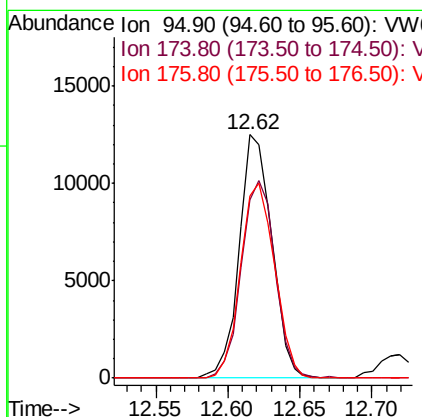
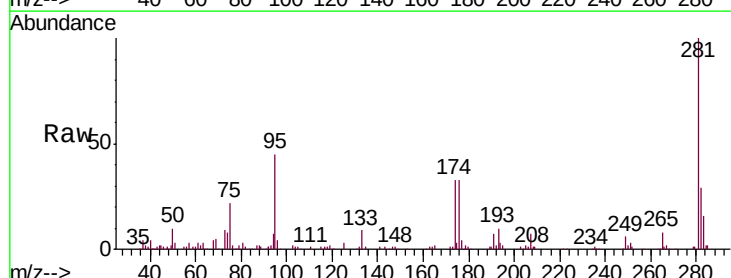
Manual Integrations
 APPROVED

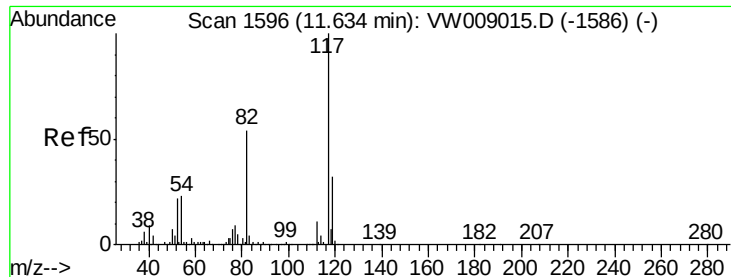
MMDadoda
 3/8/2019 12:07:00 AM



#62
 4-Bromofluorobenzene
 Concen: 4.885 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion: 95 Resp: 19716
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 165.8
 176 83.4 0.0 159.8





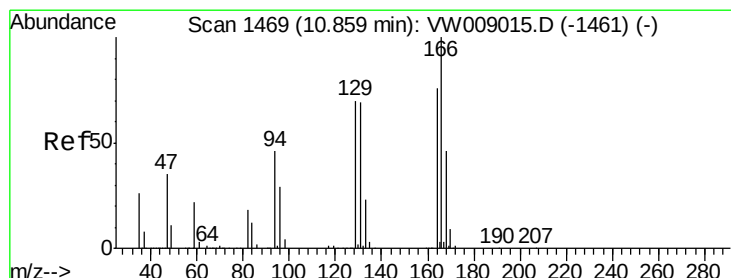
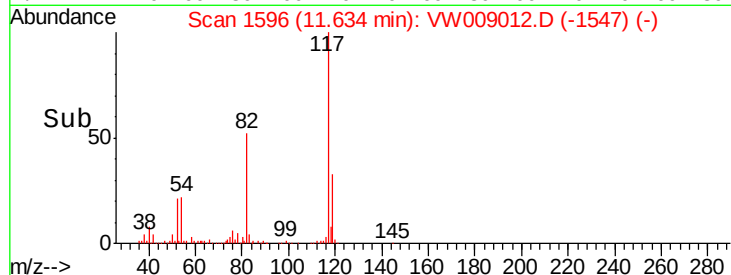
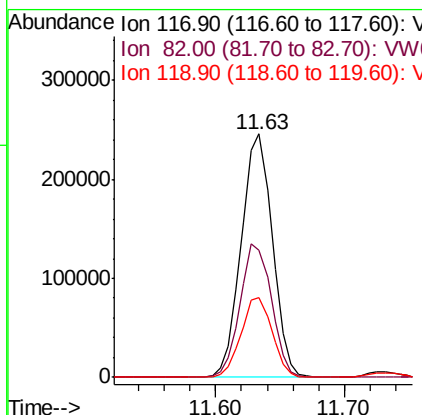
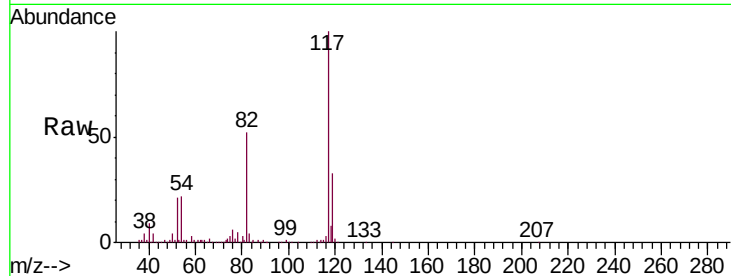
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	411441		
82	52.5	43.4	65.2	
119	32.5	25.8	38.8	

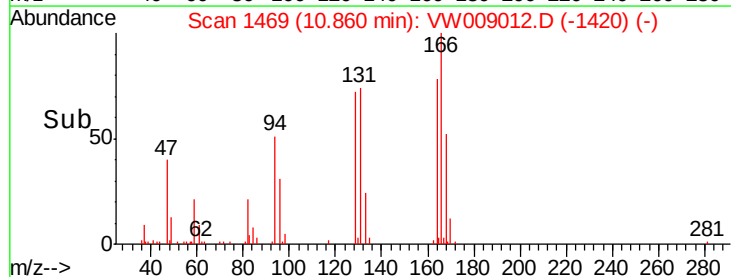
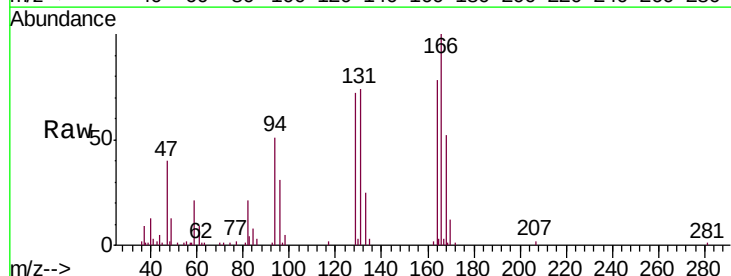
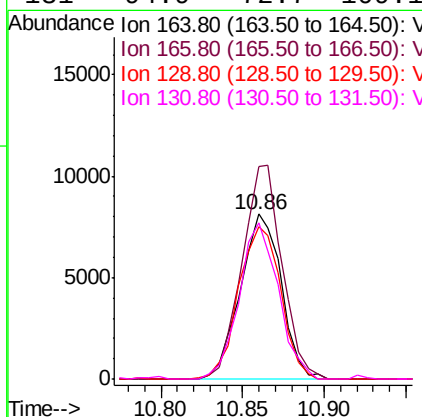
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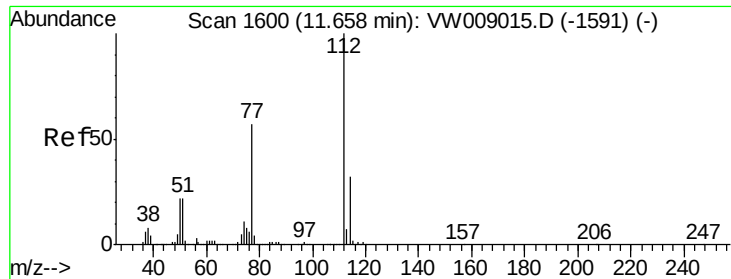
MMDadoda
3/8/2019 12:07:00 AM



#64
Tetrachloroethene
Concen: 5.007 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14223		
166	128.6	104.6	157.0	
129	92.2	73.4	110.2	
131	94.9	72.7	109.1	





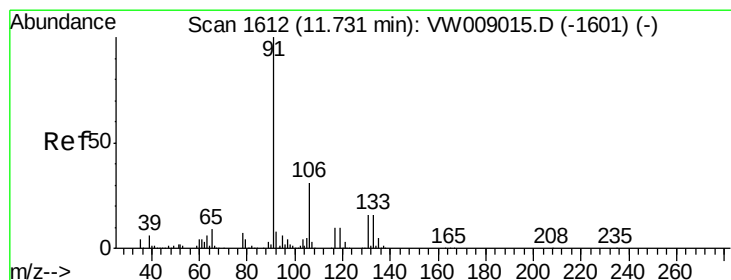
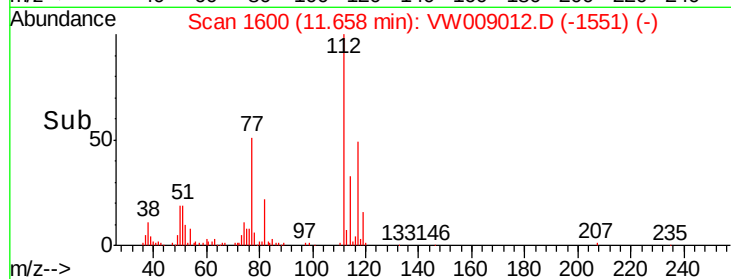
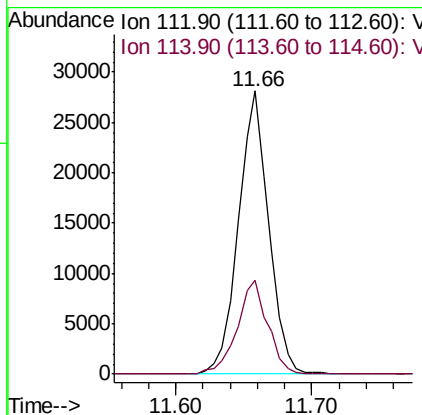
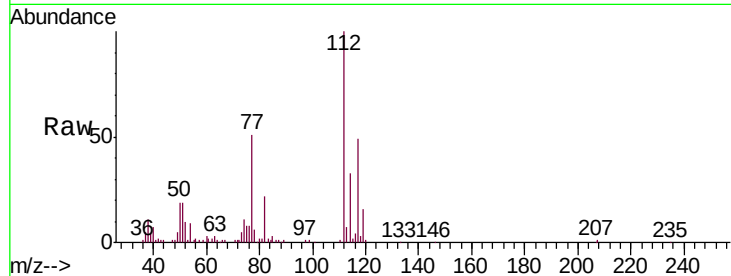
#65
Chlorobenzene
Concen: 5.081 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 43393
Ion Ratio Lower Upper
112 100
114 33.4 25.5 38.3

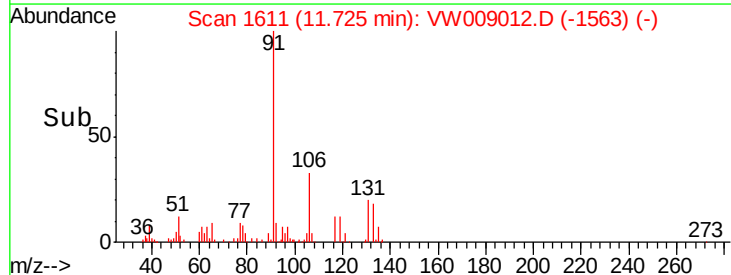
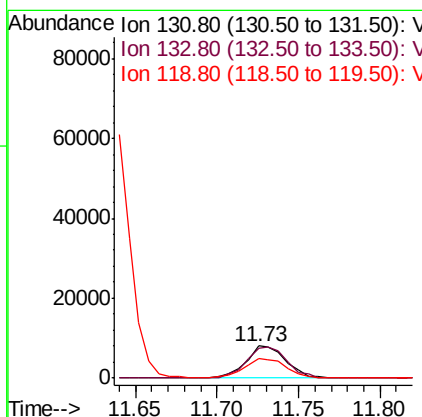
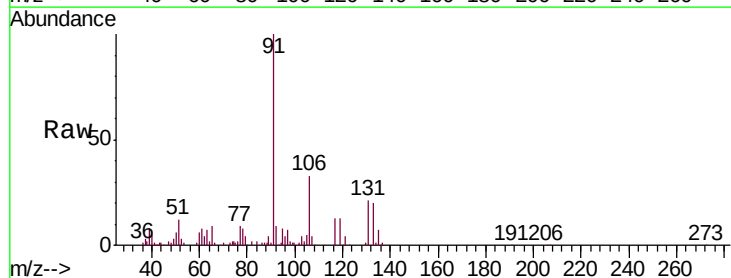
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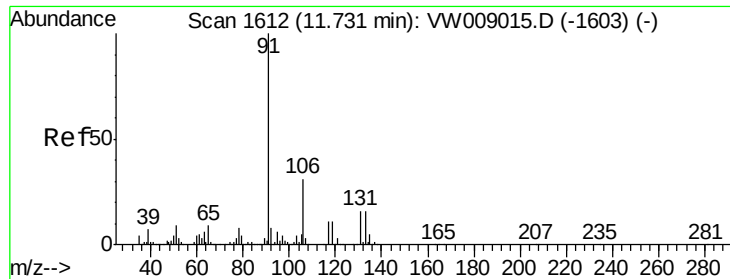
MMDadoda
3/8/2019 12:07:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.711 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion:131 Resp: 13510
Ion Ratio Lower Upper
131 100
133 100.5 48.1 144.3
119 66.1 31.1 93.5





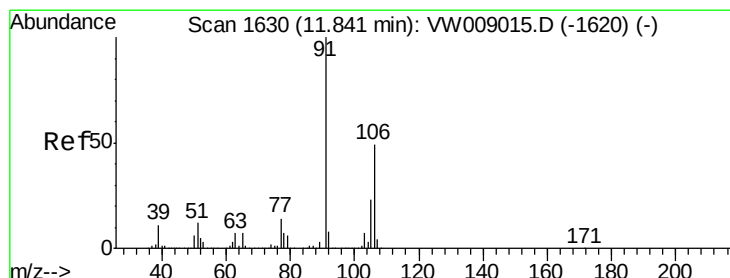
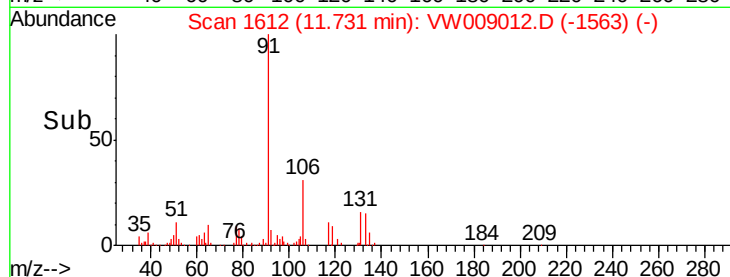
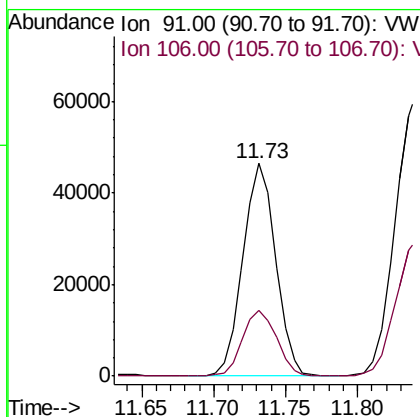
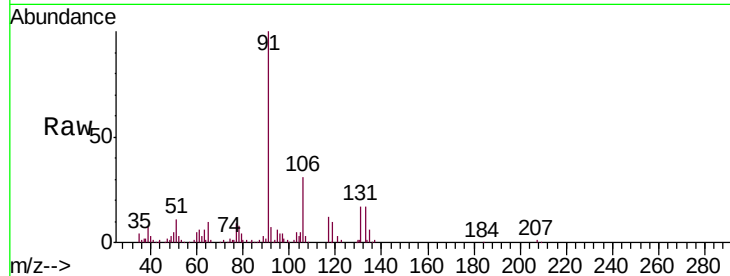
#67
Ethyl Benzene
Concen: 4.740 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 73400
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8

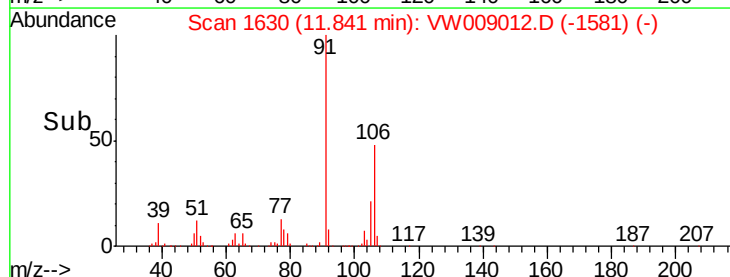
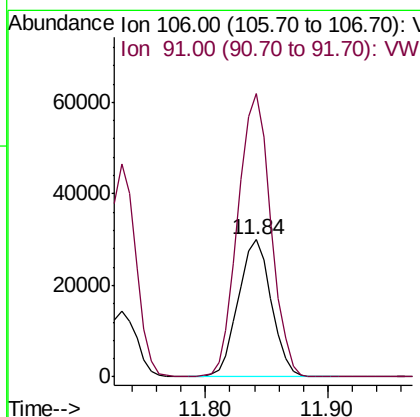
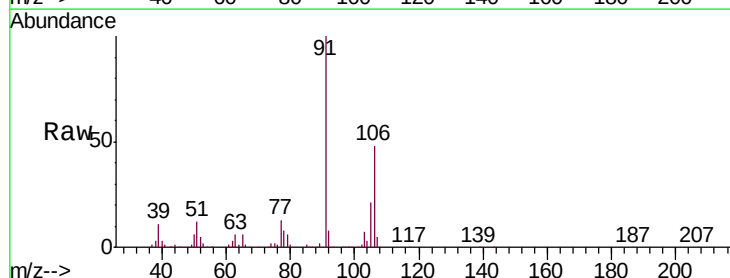
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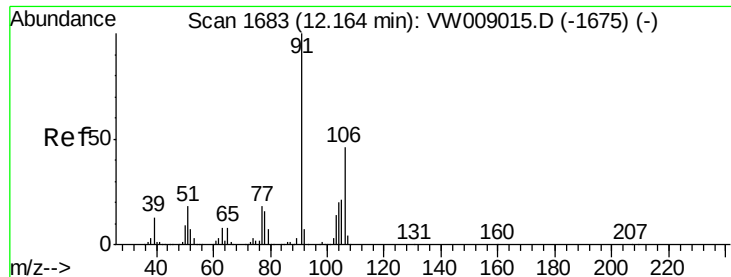
MMDadoda
3/8/2019 12:07:00 AM



#68
m/p-Xylenes
Concen: 9.263 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 106 Resp: 56596
Ion Ratio Lower Upper
106 100
91 204.6 162.9 244.3





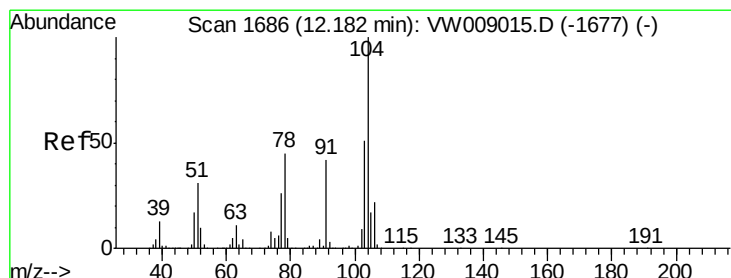
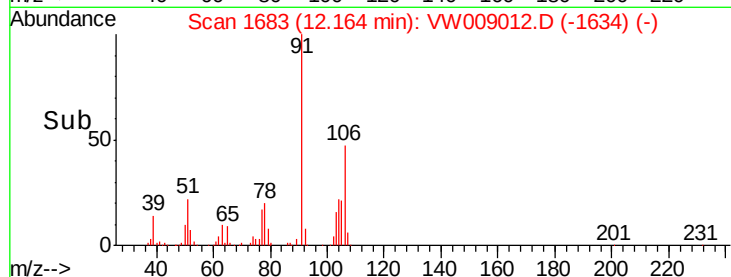
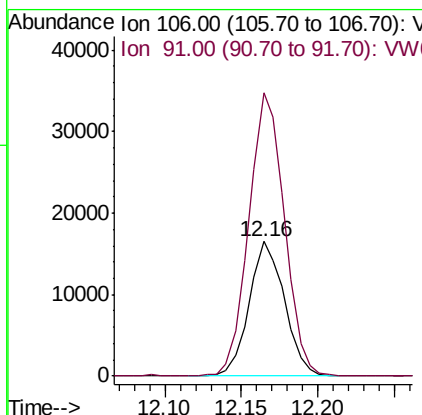
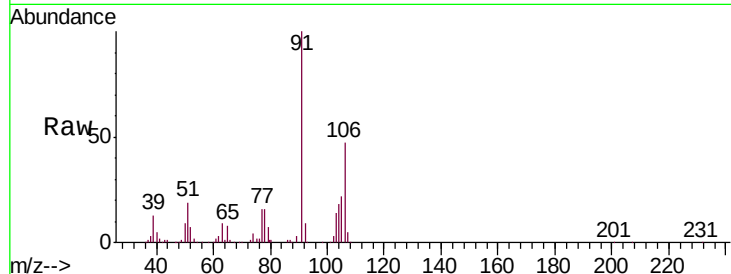
#69
o-Xylene
Concen: 4.656 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion:106 Resp: 26555
Ion Ratio Lower Upper
106 100
91 211.7 107.4 322.2

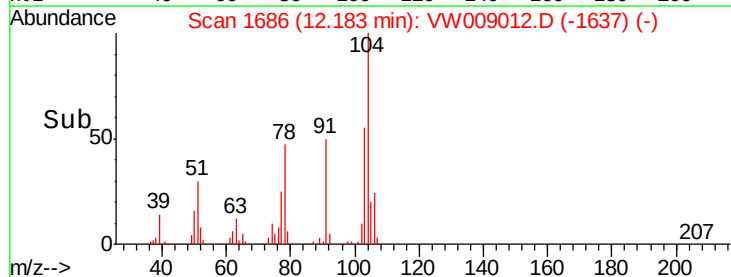
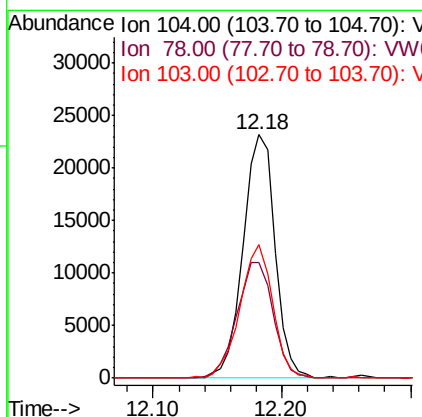
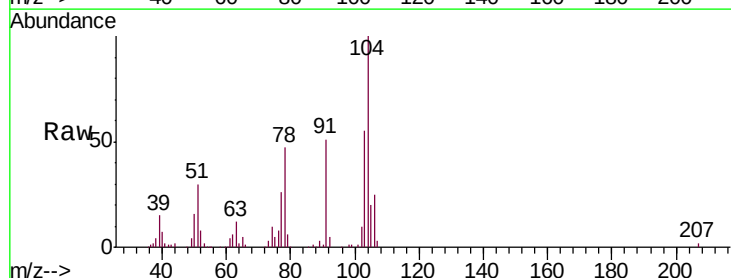
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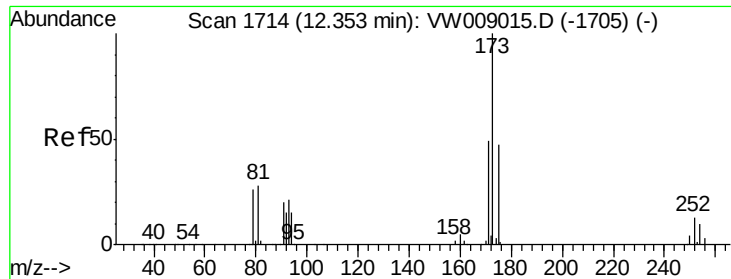
MMDadoda
3/8/2019 12:07:00 AM



#70
Styrene
Concen: 4.283 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion:104 Resp: 39578
Ion Ratio Lower Upper
104 100
78 54.2 41.9 62.9
103 56.8 44.9 67.3





#71

Bromoform

Concen: 4.470 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

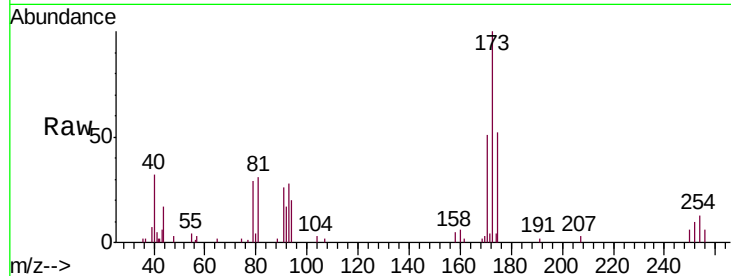
ClientSampled :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.3	69.9
254	0.0	0.1	0.1

Manual Integrations
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3/8/2019 12:07:00 AM

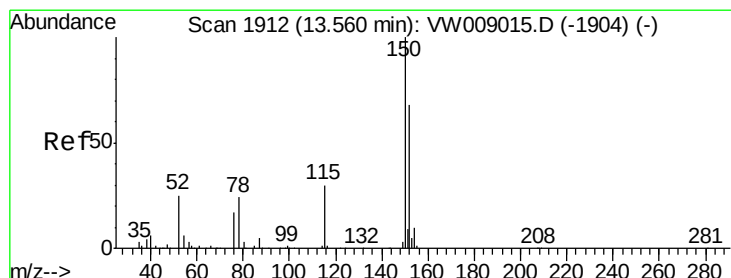
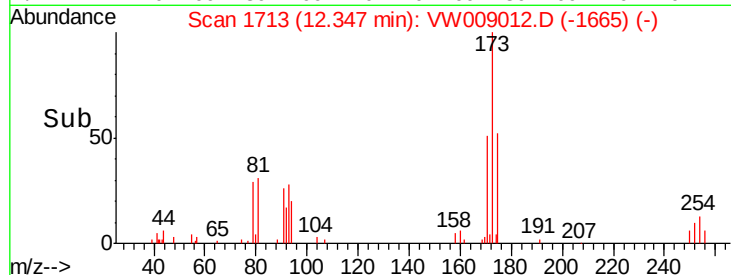
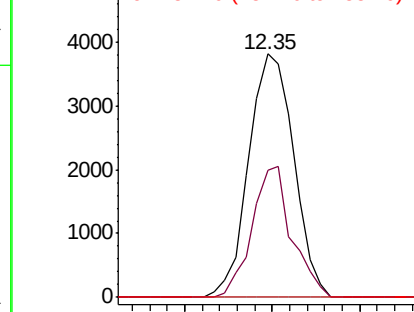


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

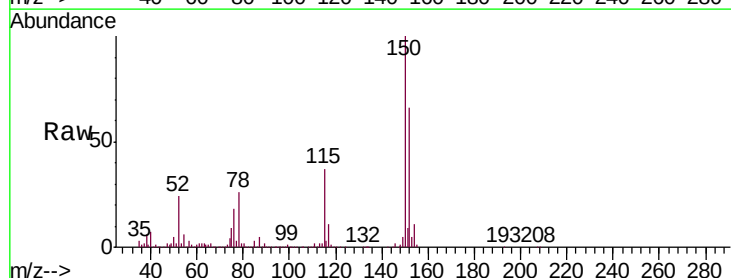
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	29.3	87.8
150	155.2	0.0	348.6

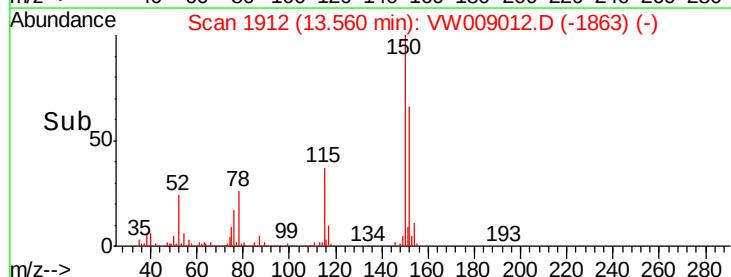
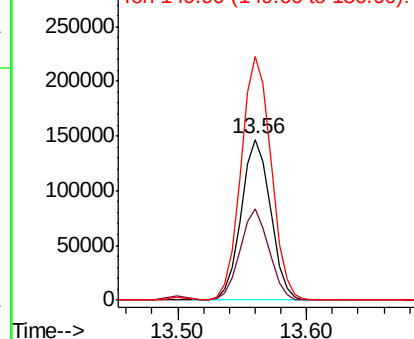


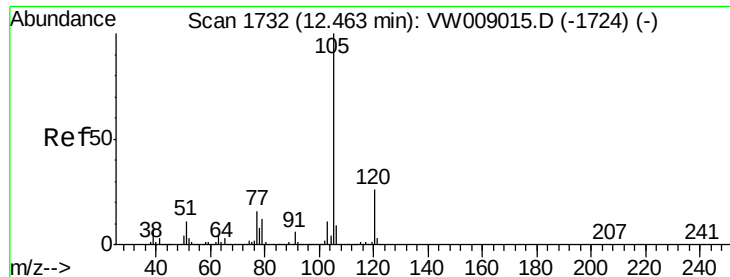
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





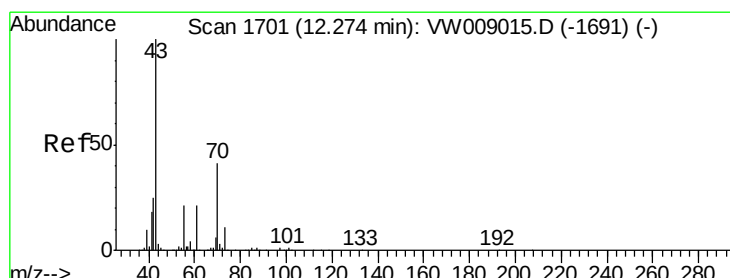
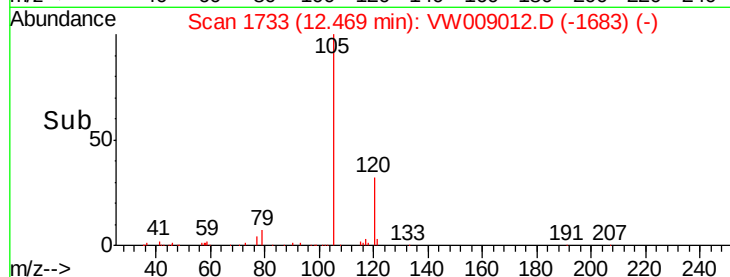
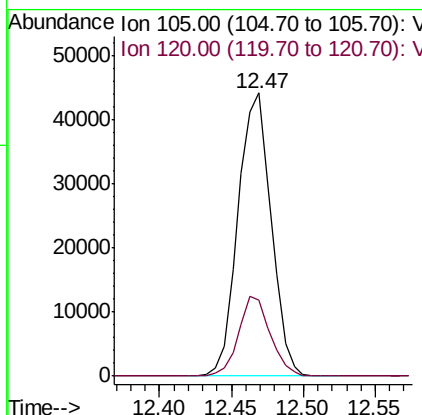
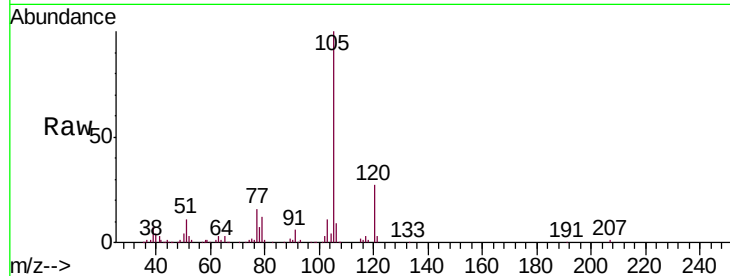
#73
Isopropylbenzene
Concen: 4.453 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 105 Resp: 70523
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.6

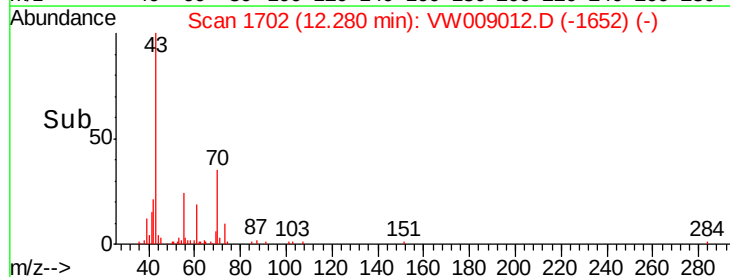
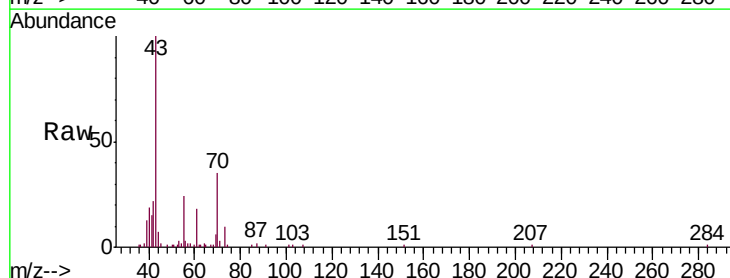
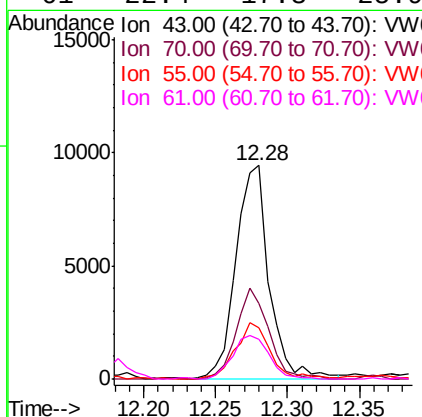
Manual Integrations
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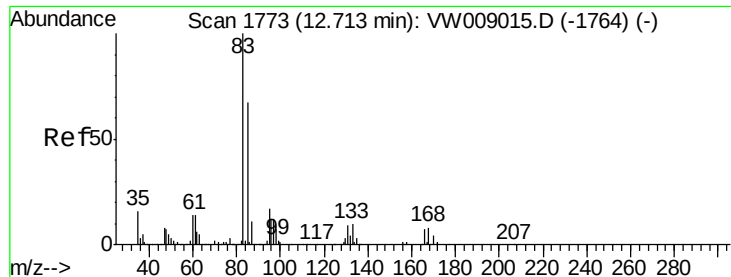
MMDadoda
3/8/2019 12:07:00 AM



#74
N-ethyl acetate
Concen: 4.036 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 43 Resp: 15219
Ion Ratio Lower Upper
43 100
70 41.2 31.2 46.8
55 27.6 18.0 27.0#
61 22.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.844 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

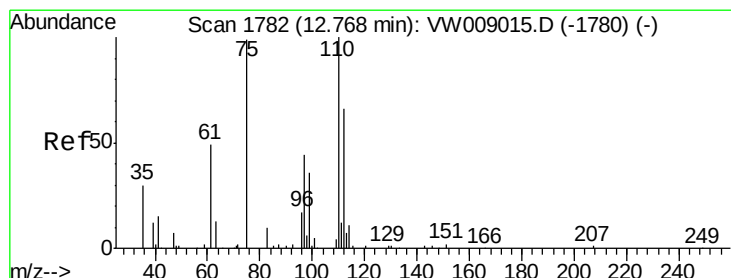
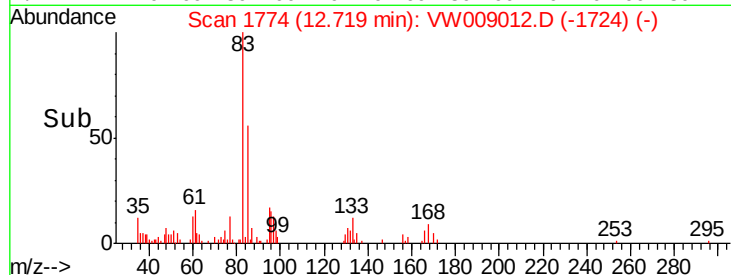
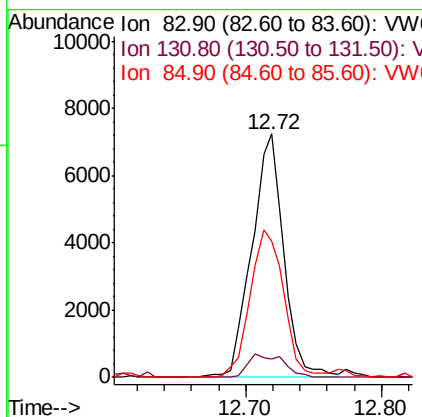
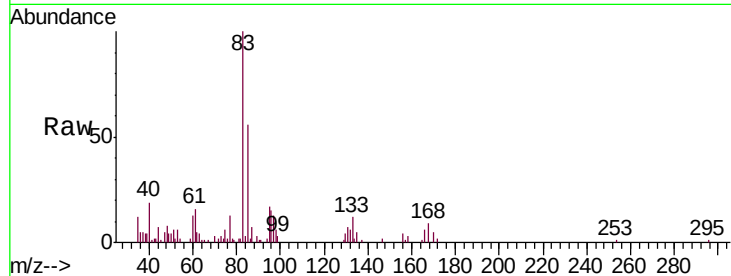
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	11966
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.7
85	63.7	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 3.373 ug/l m

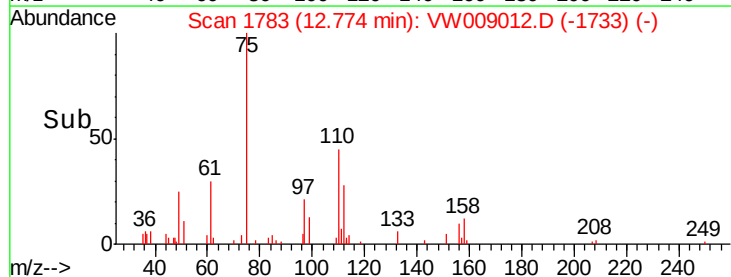
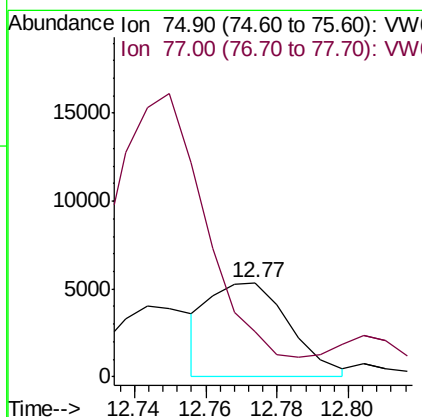
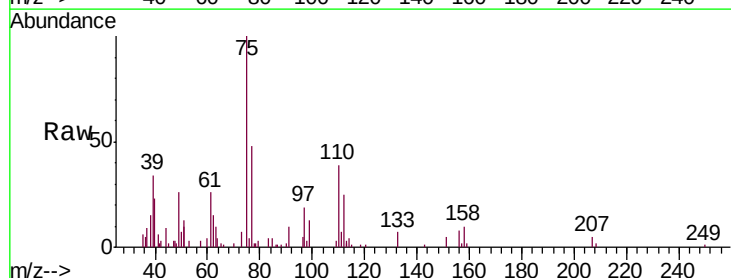
RT: 12.77 min Scan# 1783

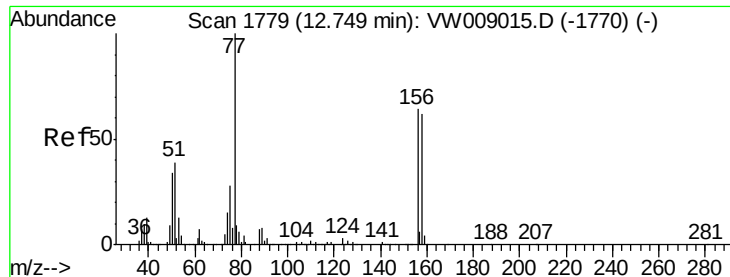
Delta R.T. 0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion:	75	Resp:	8435
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.687 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

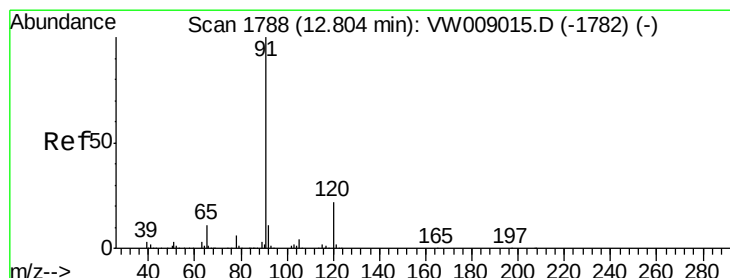
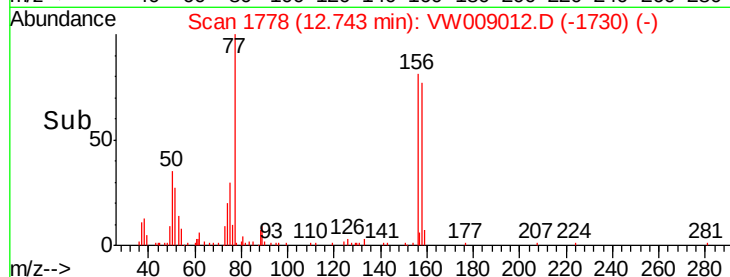
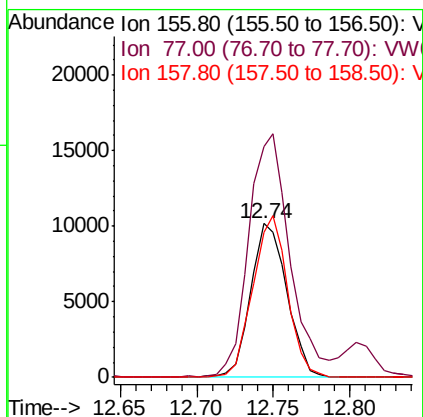
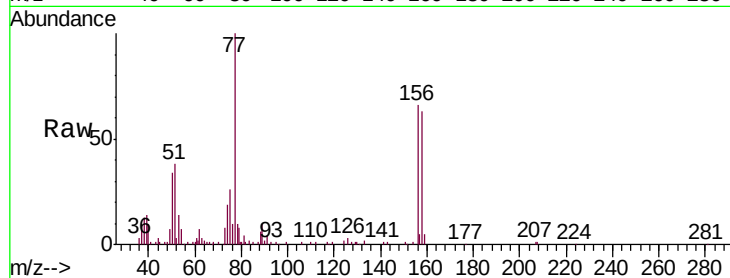
ClientSampled :

VSTDIC005

Tgt Ion:	156	Resp:	16804
Ion Ratio	Lower	Upper	
156	100		
77	179.7	91.6	274.9
158	101.0	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 4.440 ug/l

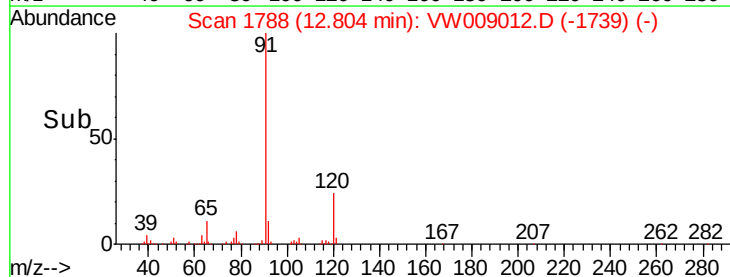
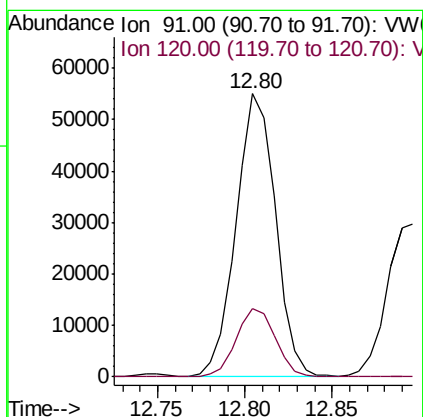
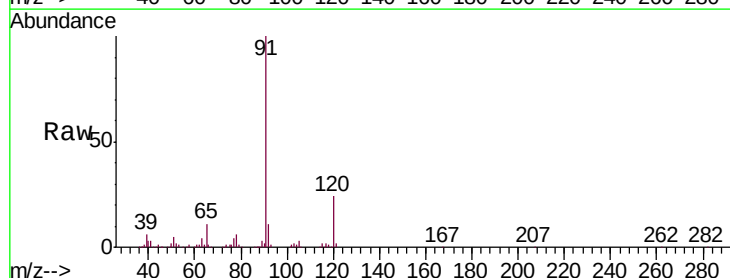
RT: 12.80 min Scan# 1788

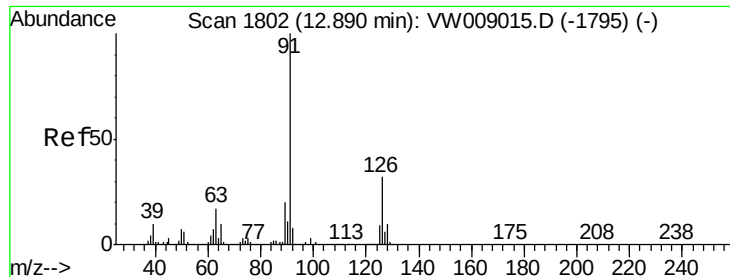
Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion:	91	Resp:	86333
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.3	33.9





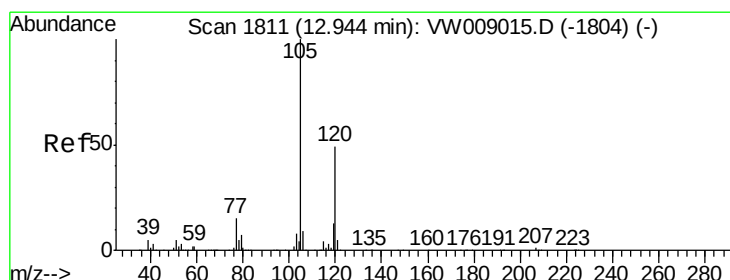
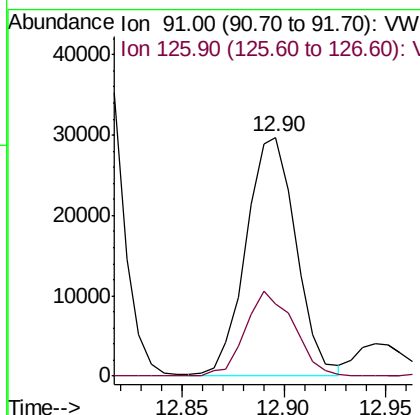
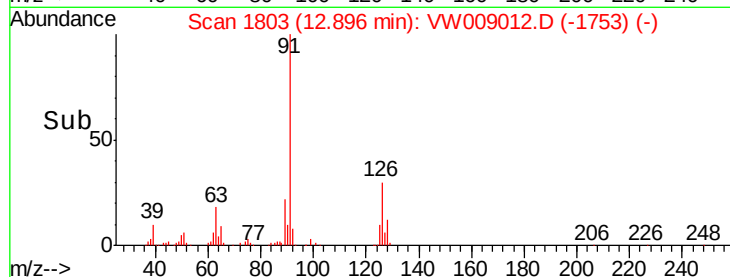
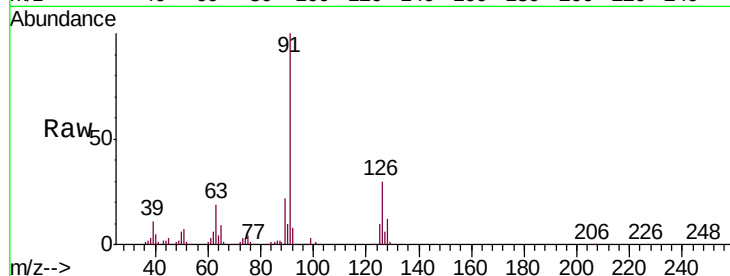
#79
2-Chlorotoluene
Concen: 4.611 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 50625
Ion Ratio Lower Upper
91 100
126 34.8 16.8 50.4

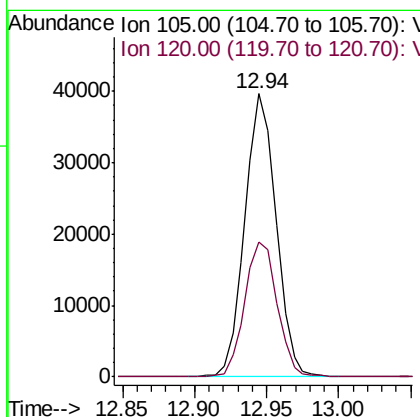
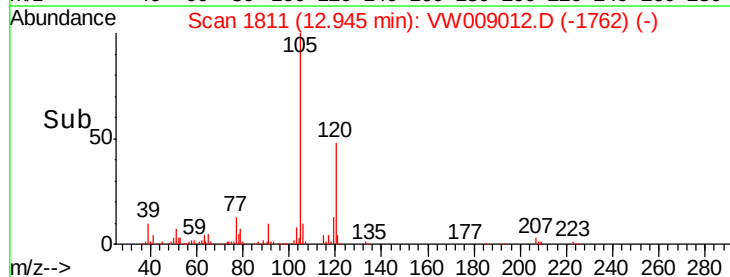
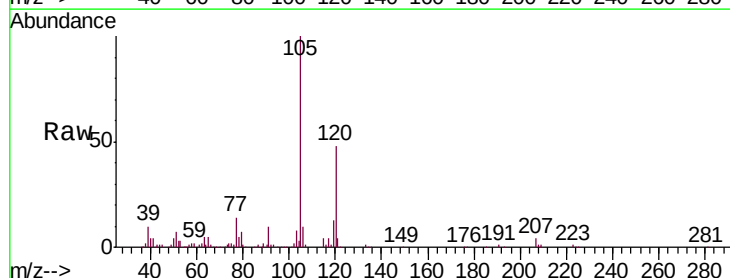
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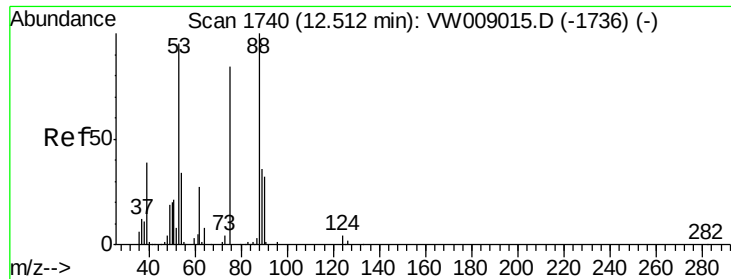
MMDadoda
3/8/2019 12:07:00 AM



#80
1,3,5-Trimethylbenzene
Concen: 4.393 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion: 105 Resp: 59705
Ion Ratio Lower Upper
105 100
120 49.4 24.6 73.8





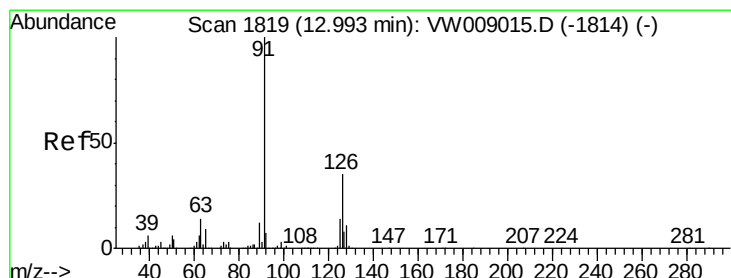
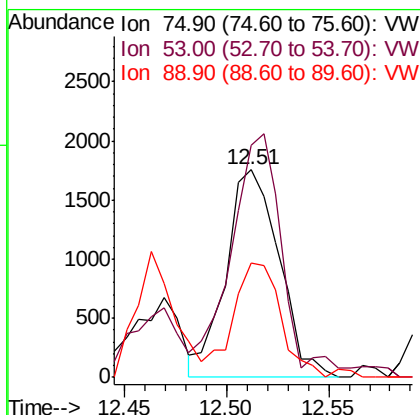
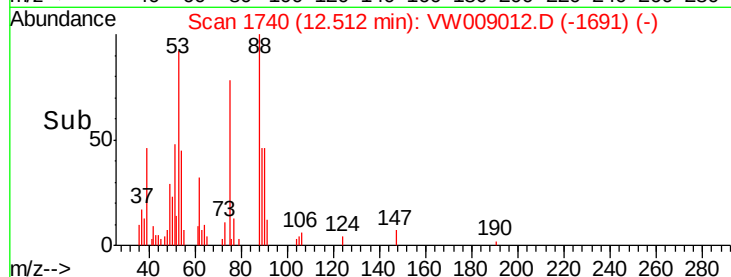
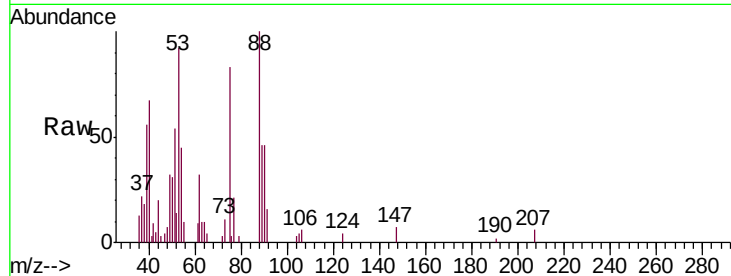
#81
trans-1,4-Dichloro-2-butene
Concen: 4.183 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	105.3	88.5	132.7
89	49.7	36.3	54.5

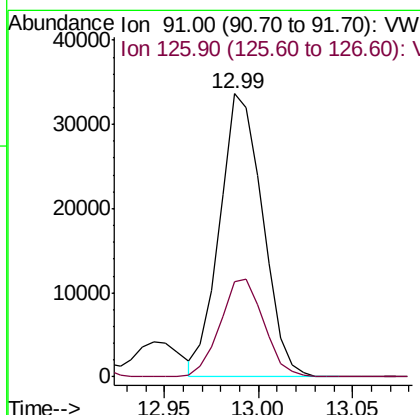
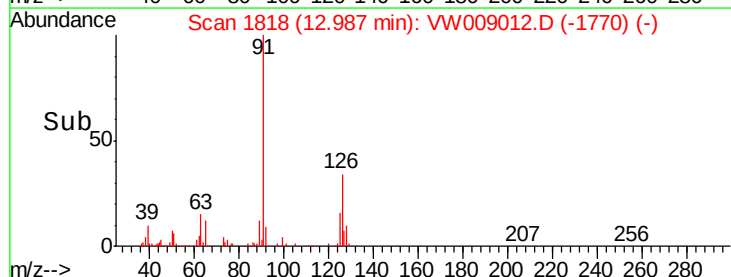
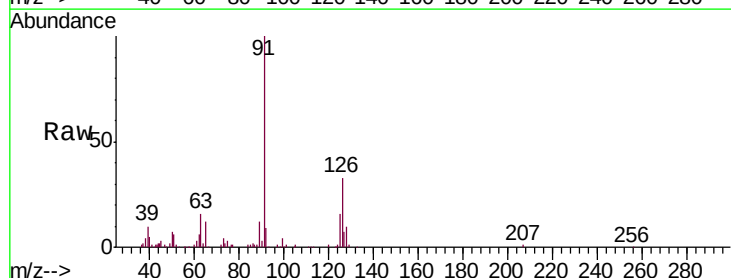
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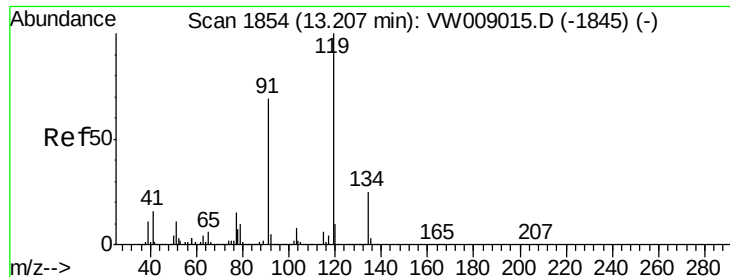
MMDadoda
3/8/2019 12:07:00 AM



#82
4-Chlorotoluene
Concen: 4.557 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.9	50.6





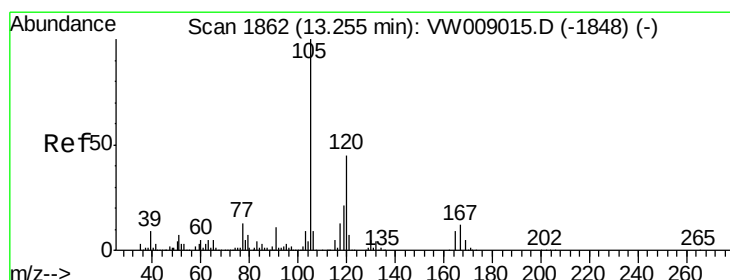
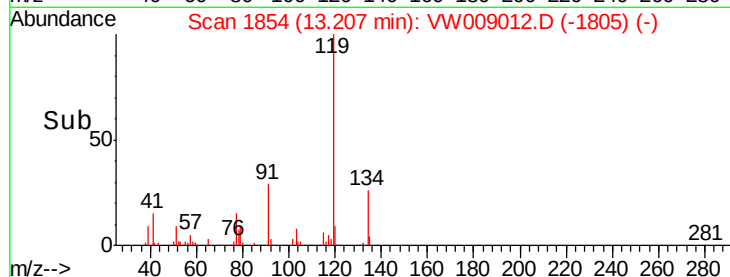
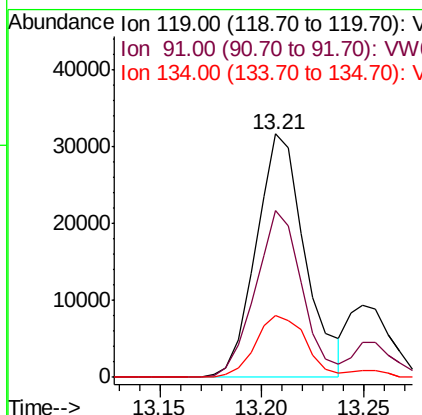
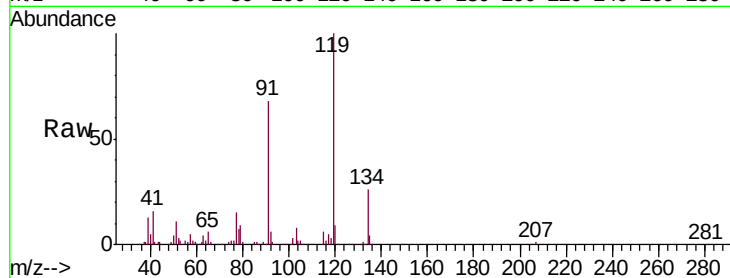
#83
 tert-Butylbenzene
 Concen: 4.533 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.3	34.3	102.9
134	26.4	13.6	40.8

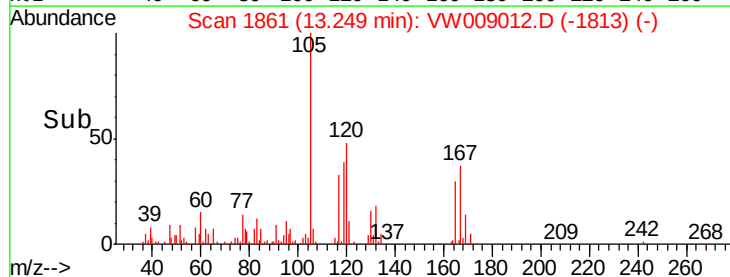
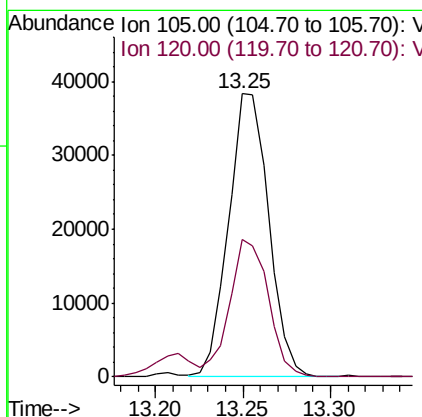
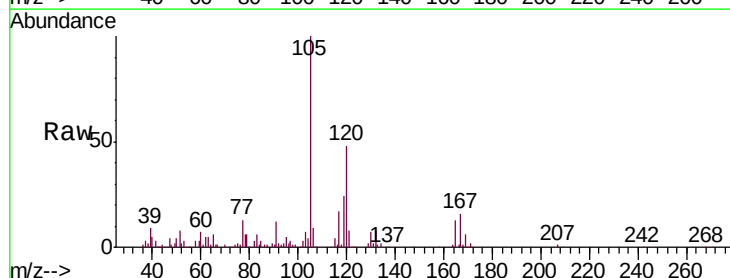
Manual Integrations
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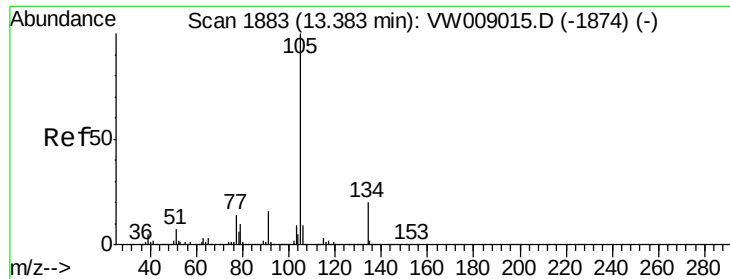
MMDadoda
 3/8/2019 12:07:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.375 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.6	67.7





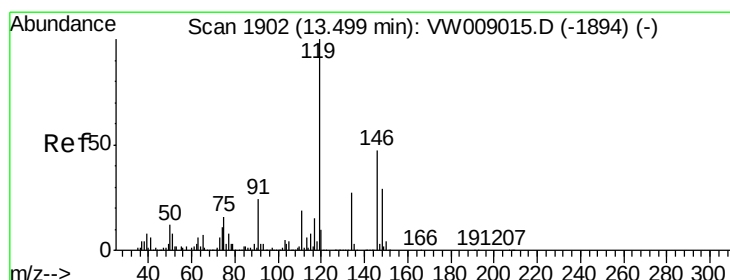
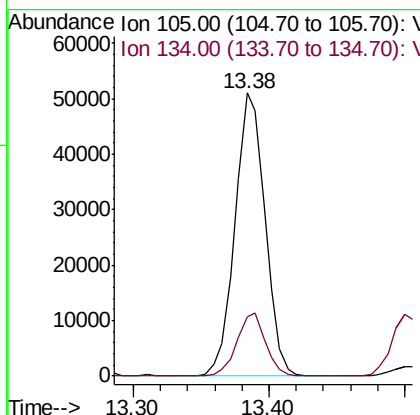
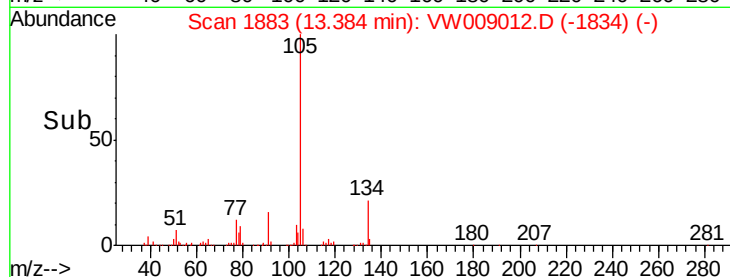
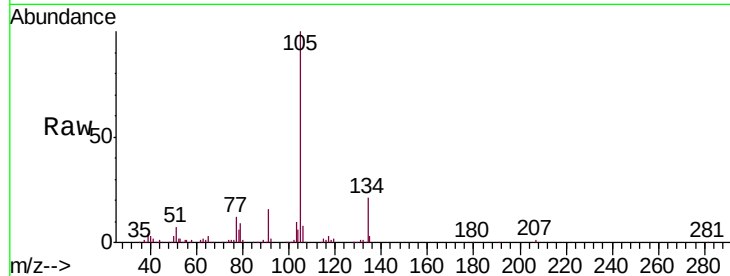
#85
 sec-Butylbenzene
 Concen: 4.591 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 78433
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.2 30.6

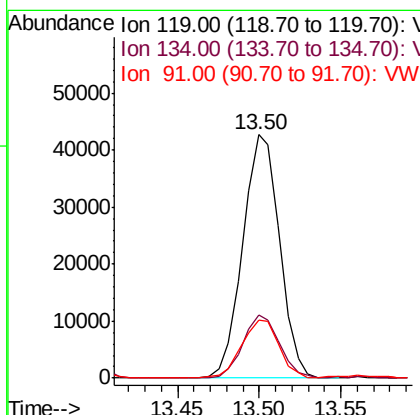
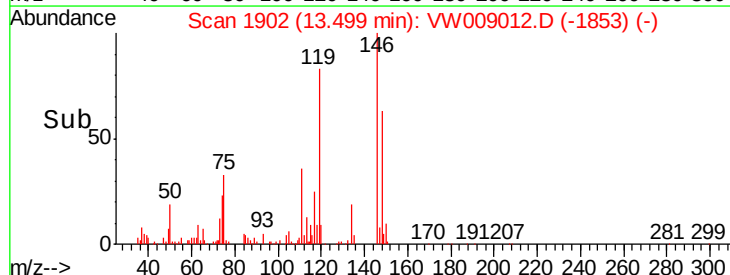
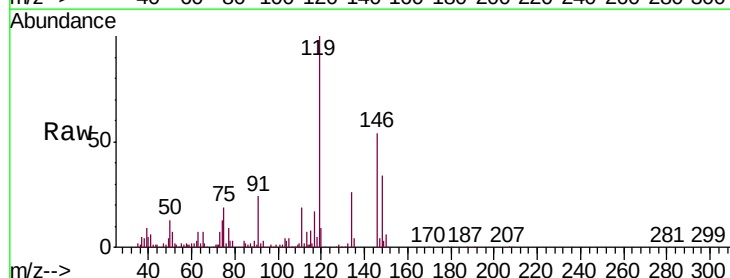
Manual Integrations
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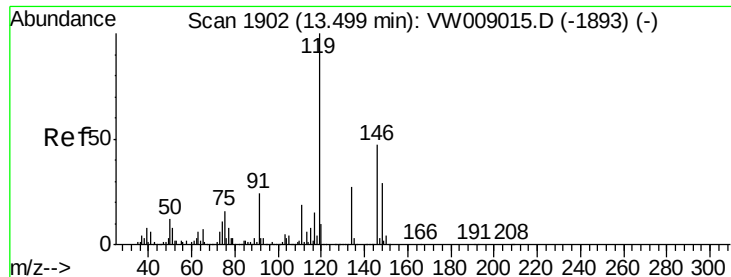
MMDadoda
 3/8/2019 12:07:00 AM



#86
 p-Isopropyltoluene
 Concen: 4.368 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion:119 Resp: 67174
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 24.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.815 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

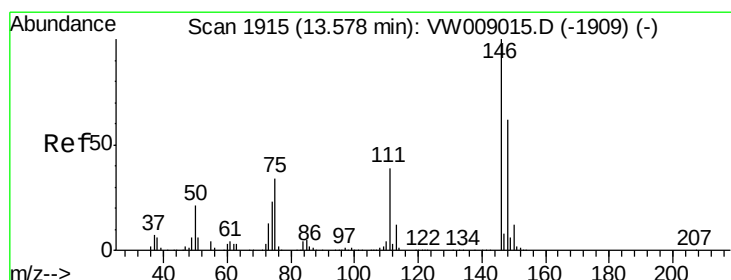
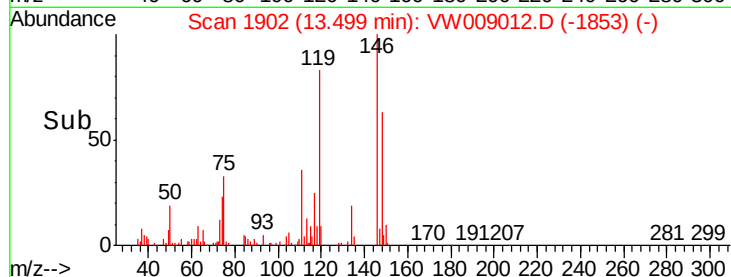
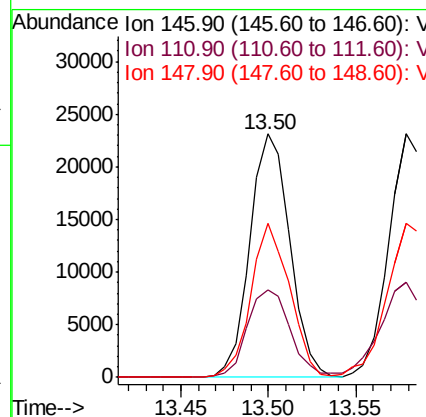
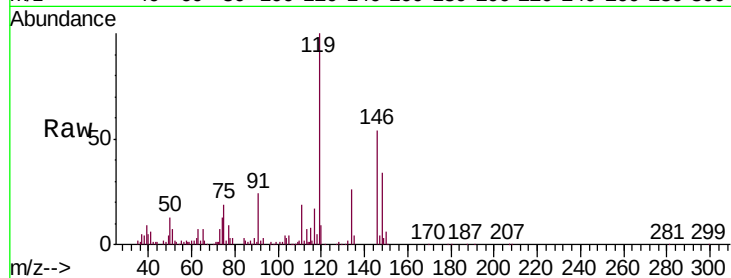
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	61.4	31.7	95.1

Manual Integrations
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3/8/2019 12:07:00 AM



#88

1,4-Dichlorobenzene

Concen: 4.990 ug/l

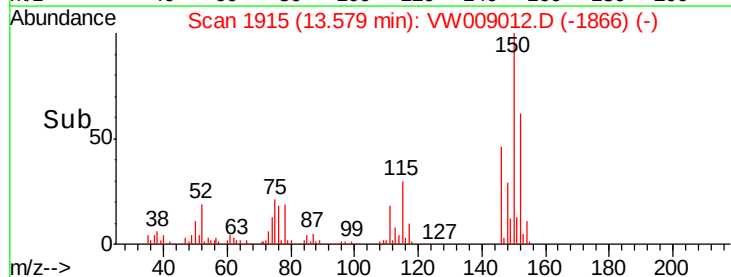
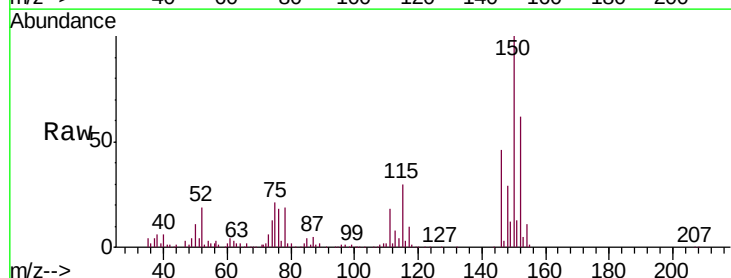
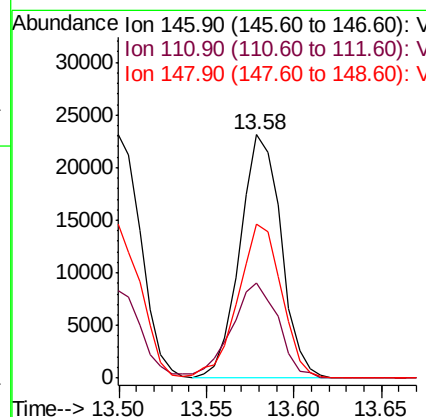
RT: 13.58 min Scan# 1915

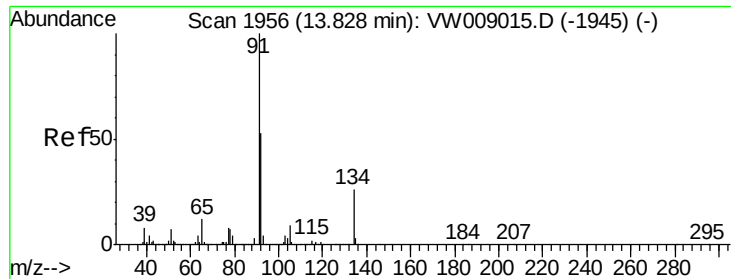
Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	19.9	59.7
148	66.8	31.7	95.1





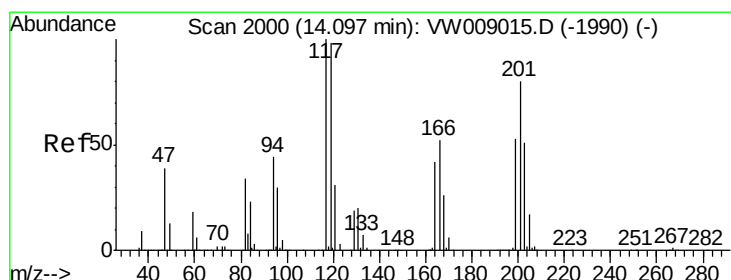
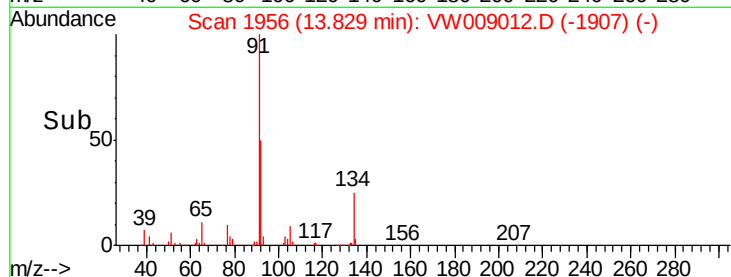
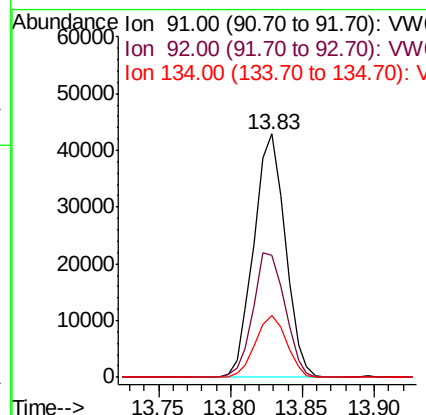
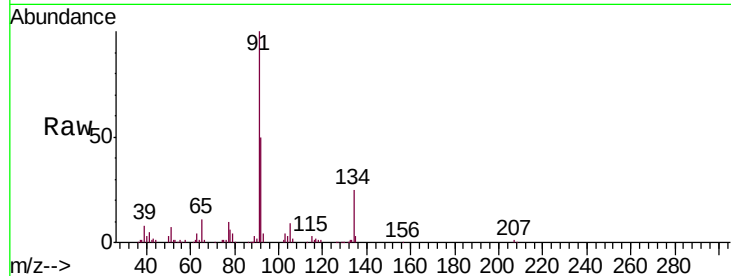
#89
n-Butylbenzene
Concen: 4.461 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.0
134	25.3	13.0	39.0

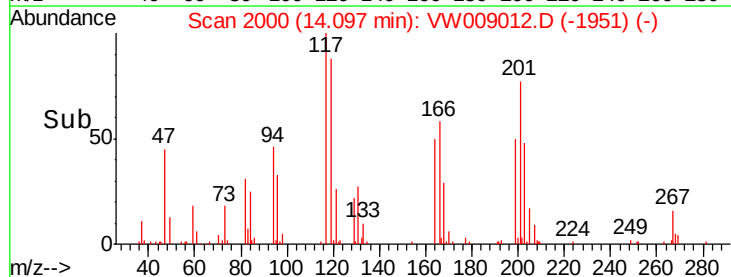
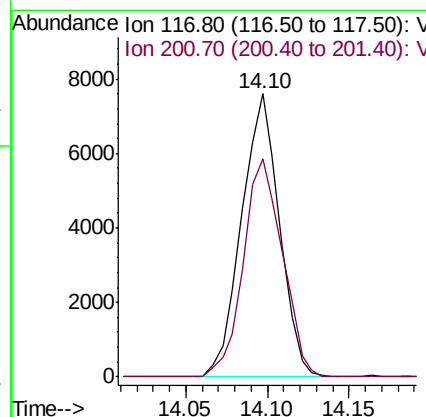
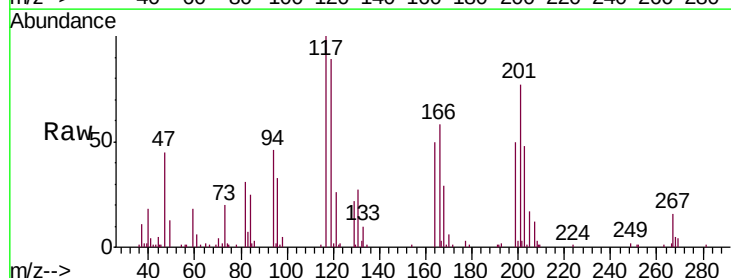
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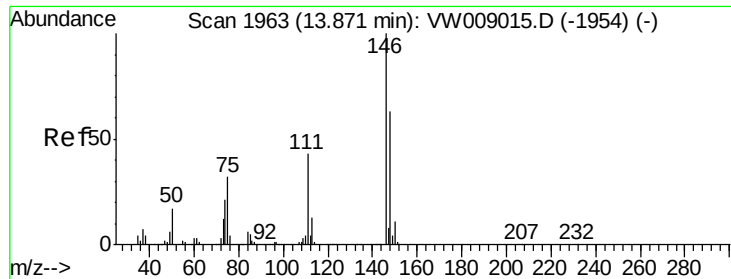
MMDadoda
3/8/2019 12:07:00 AM



#90
Hexachloroethane
Concen: 4.659 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	38.9	116.6





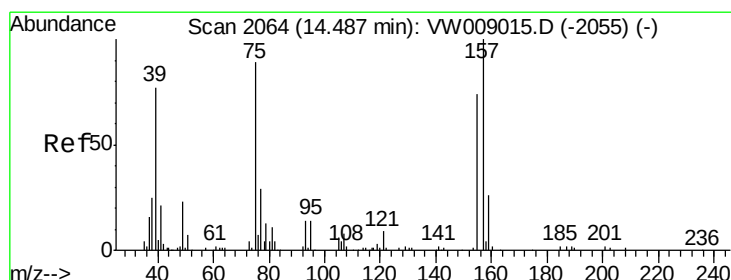
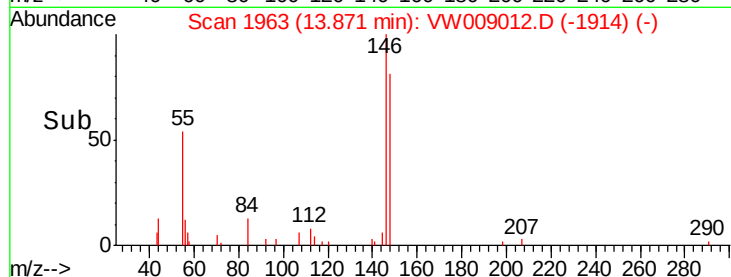
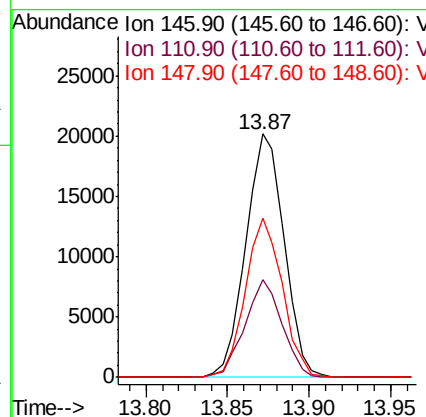
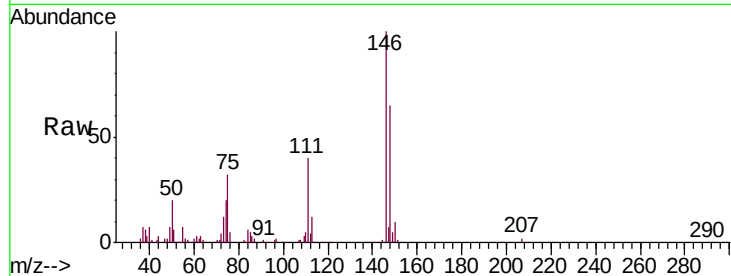
#91
 1,2-Dichlorobenzene
 Concen: 4.925 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.4
148	62.9	31.8	95.3

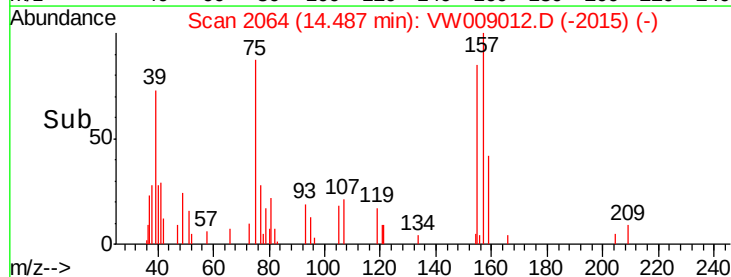
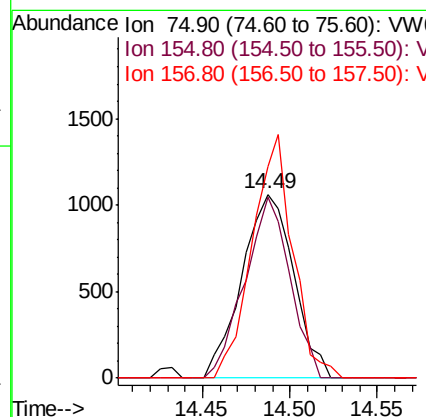
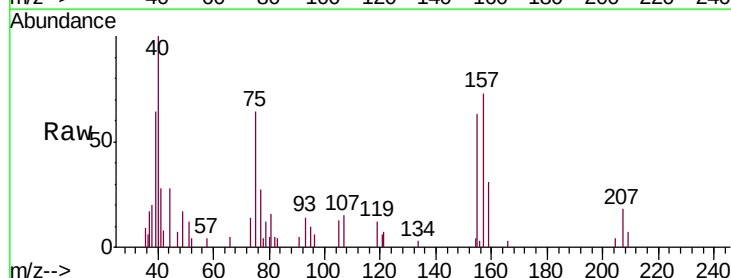
Manual Integrations
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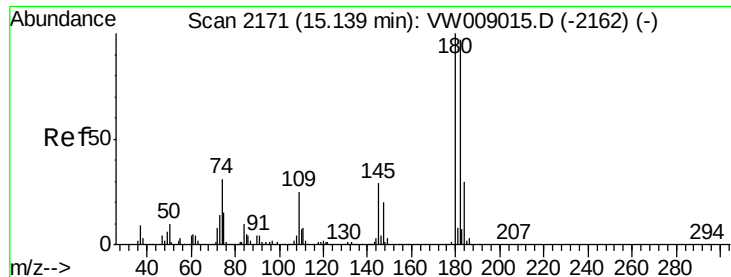
MMDadoda
 3/8/2019 12:07:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.839 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009012.D
 Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	41.4	124.4
157	103.9	53.1	159.4





#93

1,2,4-Trichlorobenzene

Concen: 4.533 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Instrument :

MSVOA_W

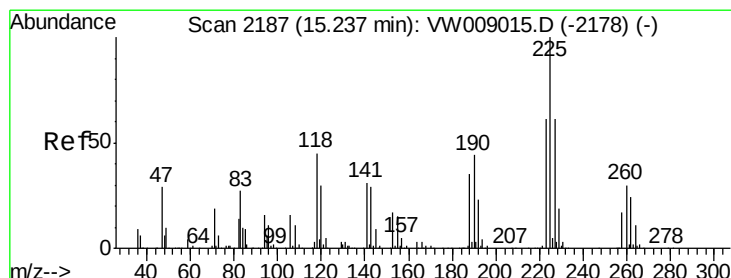
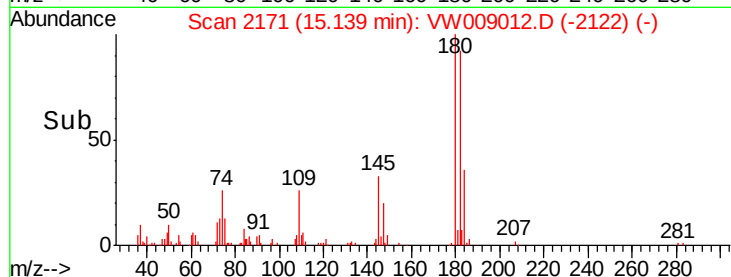
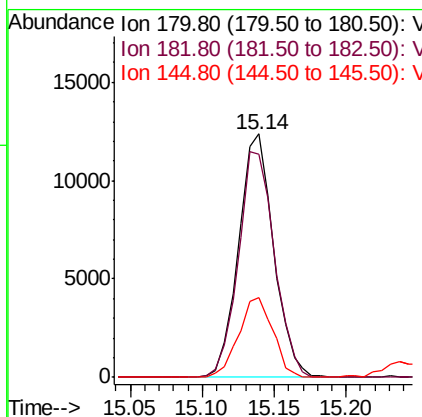
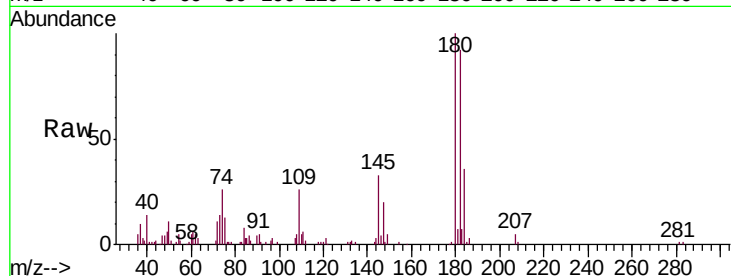
ClientSampleId :

VSTDIC005

Tgt Ion:	180	Resp:	20845
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.6	142.9
145	32.0	14.7	44.1

Manual Integrations
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3/8/2019 12:07:00 AM



#94

Hexachlorobutadiene

Concen: 5.156 ug/l

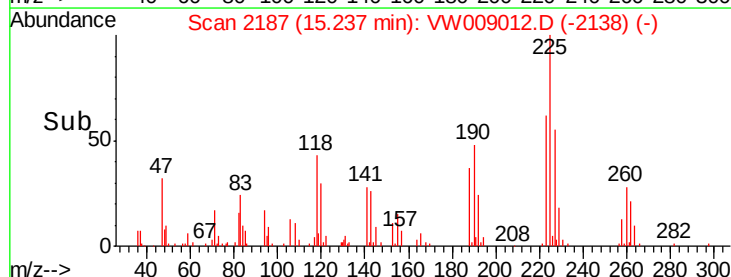
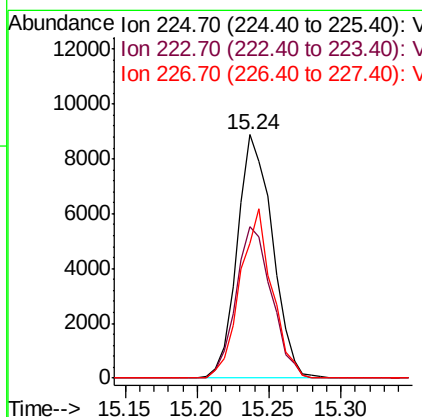
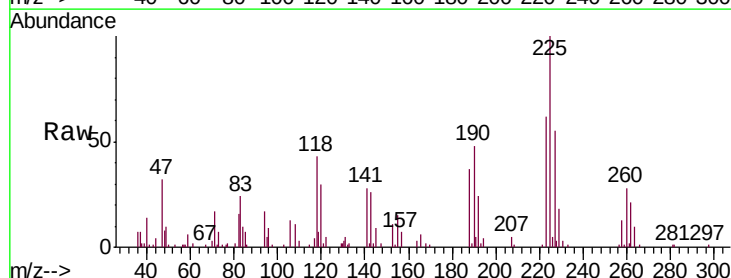
RT: 15.24 min Scan# 2187

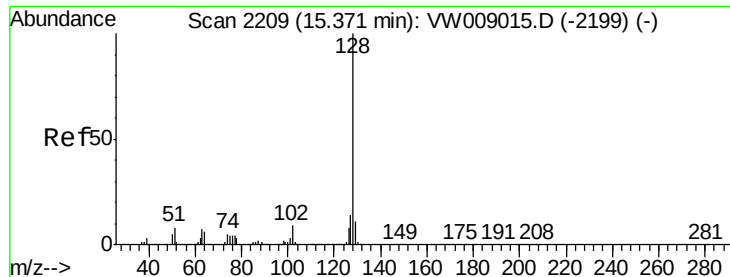
Delta R.T. 0.00 min

Lab File: VW009012.D

Acq: 06 Mar 2019 10:52

Tgt Ion:	225	Resp:	15070
Ion Ratio	Lower	Upper	
225	100		
223	63.0	30.6	91.8
227	63.4	31.2	93.6





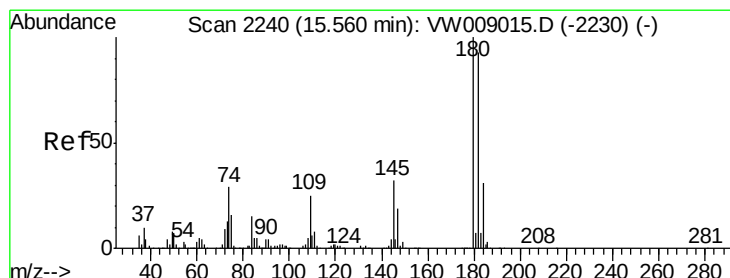
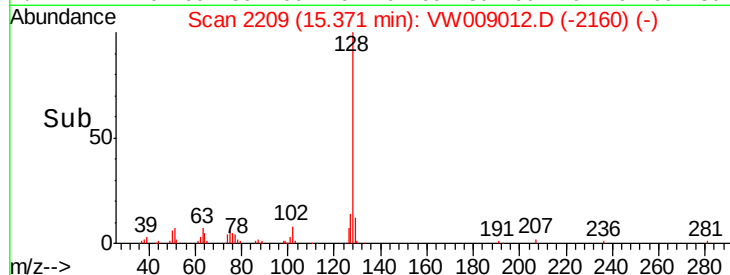
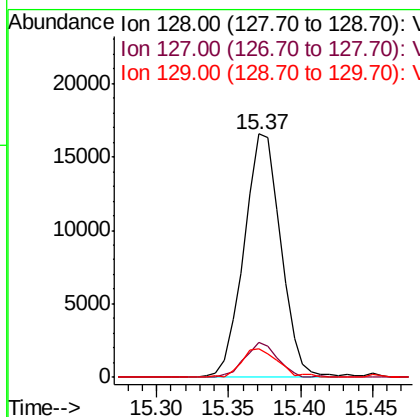
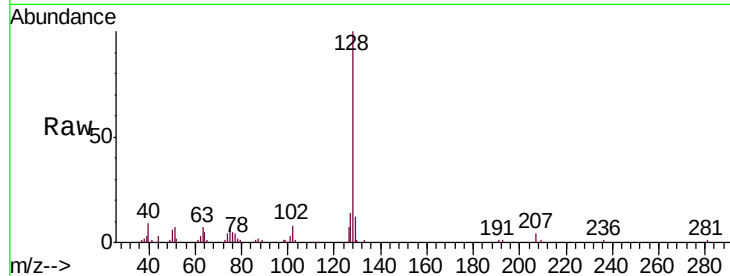
#95
Naphthalene
Concen: 3.930 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	29305		
127	12.8	11.0	16.4	
129	11.7	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.635 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009012.D
Acq: 06 Mar 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	18456		
182	87.8	47.3	141.8	
145	29.2	15.4	46.2	

