

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008765.D
 Acq On : 21 Feb 2019 11:47
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 2/22/2019 12:25:10 PM

Quant Time: Feb 22 00:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:19:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	334944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	458774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	247576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	63127	20.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.18%	
35) Dibromofluoromethane	7.88	113	58480	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	
50) Toluene-d8	10.32	98	217419	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
62) 4-Bromofluorobenzene	12.62	95	86964	19.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	66165	19.723	ug/l	98
3) Chloromethane	2.21	50	84246	20.630	ug/l	95
4) Vinyl Chloride	2.35	62	86911	20.101	ug/l	98
5) Bromomethane	2.75	94	69665	21.693	ug/l	97
6) Chloroethane	2.91	64	61699	20.096	ug/l	99
7) Trichlorofluoromethane	3.26	101	118602	21.689	ug/l	93
8) Diethyl Ether	3.68	74	37758	21.810	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72328	21.781	ug/l	99
10) Methyl Iodide	4.26	142	85409	20.568	ug/l	99
11) Tert butyl alcohol	5.19	59	30734	112.645	ug/l	100
12) 1,1-Dichloroethene	4.03	96	62086	21.171	ug/l	95
13) Acrolein	3.90	56	23833	90.115	ug/l	97
14) Allyl chloride	4.67	41	107647	21.268	ug/l	98
15) Acrylonitrile	5.37	53	80167	107.899	ug/l	98
16) Acetone	4.13	43	76069	104.466	ug/l	100
17) Carbon Disulfide	4.38	76	199190	20.471	ug/l	100
18) Methyl Acetate	4.68	43	36315	21.026	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	178101	22.437	ug/l	94
20) Methylene Chloride	4.92	84	90905	21.174	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	72741	21.443	ug/l	89
22) Diisopropyl ether	6.32	45	221635	21.951	ug/l	97
23) Vinyl Acetate	6.26	43	697298	111.776	ug/l	98
24) 1,1-Dichloroethane	6.22	63	125868	21.513	ug/l	99
25) 2-Butanone	7.18	43	110245	108.293	ug/l	99
26) 2,2-Dichloropropane	7.16	77	112227	21.128	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	78855	21.731	ug/l	98
28) Bromochloromethane	7.51	49	52138	21.295	ug/l	99
29) Tetrahydrofuran	7.53	42	69888	107.726	ug/l	97
30) Chloroform	7.67	83	129625	21.596	ug/l	96
31) Cyclohexane	7.95	56	128352	21.672	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	118688	21.744	ug/l	99
36) 1,1-Dichloropropene	8.08	75	103874	21.835	ug/l	97
37) Ethyl Acetate	7.26	43	49868	22.542	ug/l	98
38) Carbon Tetrachloride	8.07	117	108232	21.574	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	125347	21.125	ug/l	98
40) Benzene	8.32	78	280483	21.595	ug/l	97
41) Methacrylonitrile	7.49	41	25894	19.913	ug/l	93
42) 1,2-Dichloroethane	8.40	62	90232	21.930	ug/l	99
43) Isopropyl Acetate	8.43	43	96247	21.800	ug/l	99
44) Trichloroethene	9.09	130	79363	21.690	ug/l	99
45) 1,2-Dichloropropane	9.37	63	71621	22.314	ug/l	97
46) Dibromomethane	9.46	93	39043	21.869	ug/l	99
47) Bromodichloromethane	9.64	83	94529	21.762	ug/l	97
48) Methyl methacrylate	9.44	41	44886	21.227	ug/l	97
49) 1,4-Dioxane	9.46	88	10905	381.424	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	234424	104.582	ug/l	99
52) Toluene	10.39	92	183596	20.828	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	97044	21.919	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	112938	22.366	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	54201	22.386	ug/l	96
56) Ethyl methacrylate	10.65	69	65443	20.804	ug/l	99
57) 1,3-Dichloropropane	10.93	76	94400	22.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	179421	113.409	ug/l	100
59) 2-Hexanone	10.97	43	166772	104.519	ug/l	100
60) Dibromochloromethane	11.13	129	65792	22.278	ug/l	99
61) 1,2-Dibromoethane	11.23	107	52471	21.894	ug/l	99
64) Tetrachloroethene	10.87	164	70703	21.530	ug/l	98
65) Chlorobenzene	11.66	112	206125	21.367	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	70919	21.742	ug/l	97
67) Ethyl Benzene	11.73	91	362075	20.996	ug/l	100
68) m/p-Xylenes	11.84	106	290257	42.126	ug/l	99
69) o-Xylene	12.16	106	135909	21.015	ug/l	98
70) Styrene	12.18	104	216019	20.762	ug/l	100
71) Bromoform	12.35	173	37791	21.554	ug/l #	98
73) Isopropylbenzene	12.47	105	366574	21.598	ug/l	100
74) N-amyl acetate	12.27	43	86766	20.295	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	62891	22.678	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	46177m	21.558	ug/l	
77) Bromobenzene	12.75	156	86619	21.597	ug/l	99
78) n-propylbenzene	12.80	91	440875	21.236	ug/l	99
79) 2-Chlorotoluene	12.90	91	254065	21.554	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	313183	21.234	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17990	21.396	ug/l	95
82) 4-Chlorotoluene	12.99	91	263322	21.199	ug/l	100
83) tert-Butylbenzene	13.21	119	275591	21.610	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	319912	20.953	ug/l	98
85) sec-Butylbenzene	13.39	105	390105	21.273	ug/l	100
86) p-Isopropyltoluene	13.50	119	348362	20.722	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	177015	21.272	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	176162	21.480	ug/l	98
89) n-Butylbenzene	13.83	91	323664	20.551	ug/l	99
90) Hexachloroethane	14.10	117	58383	21.215	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	158302	21.350	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10453	20.837	ug/l	97

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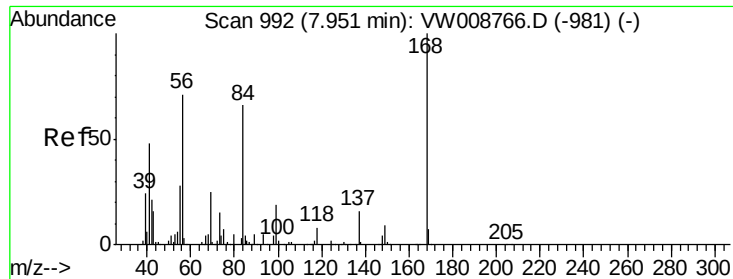
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	111043	20.786	ug/l	99
94) Hexachlorobutadiene	15.24	225	65565	20.836	ug/l	99
95) Naphthalene	15.37	128	191061	21.005	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	96289	20.846	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 334944

Ion Ratio Lower Upper

168 100

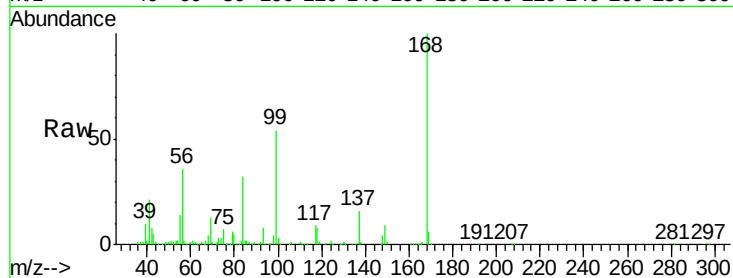
99 53.7 42.2 63.2

Manual Integrations

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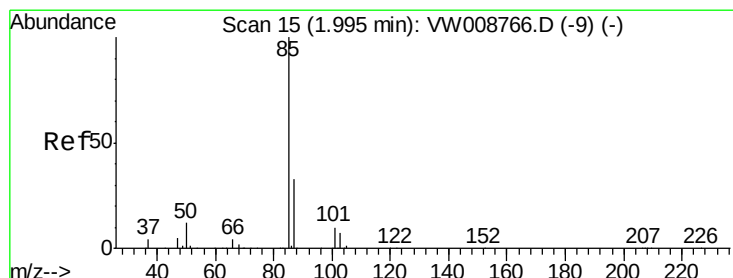
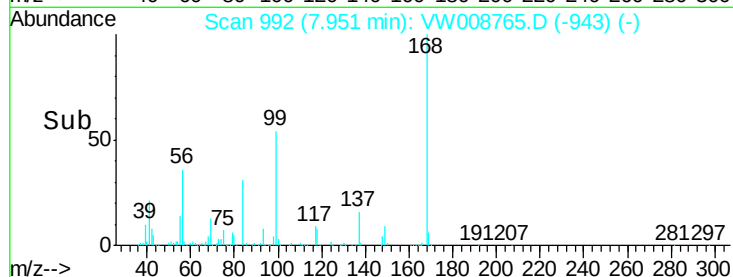
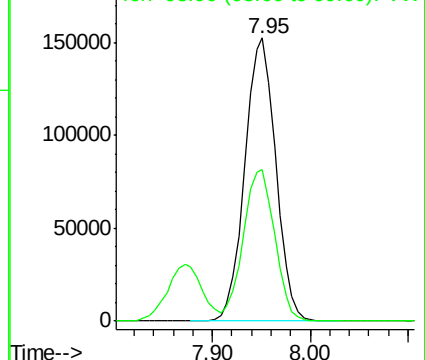
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.723 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008765.D

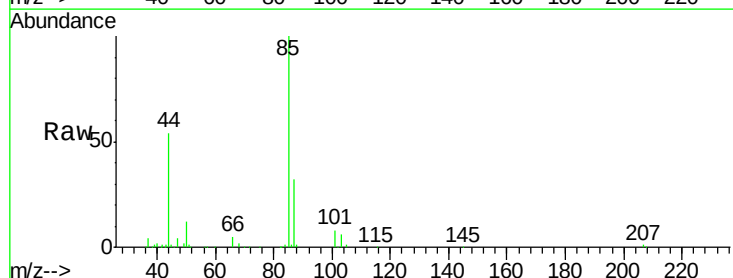
Acq: 21 Feb 2019 11:47

Tgt Ion: 85 Resp: 66165

Ion Ratio Lower Upper

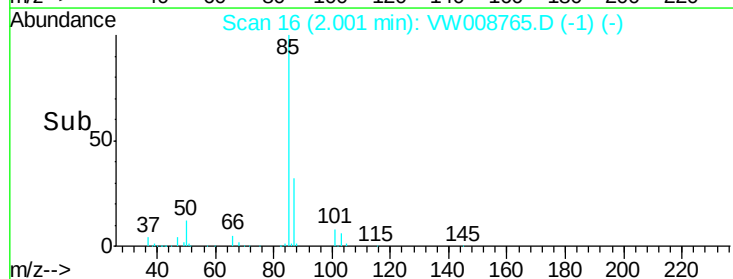
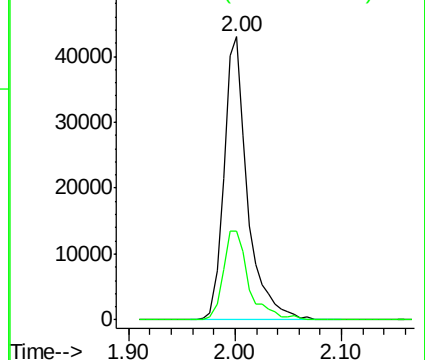
85 100

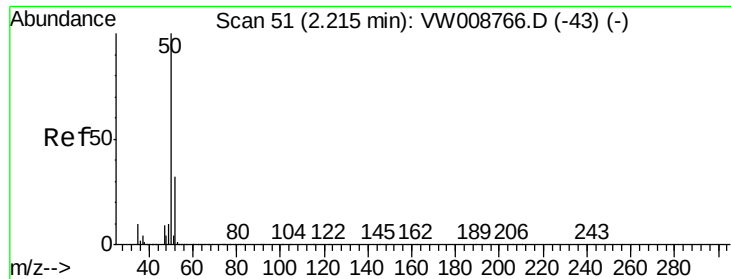
87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.630 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 84246

Ion Ratio Lower Upper

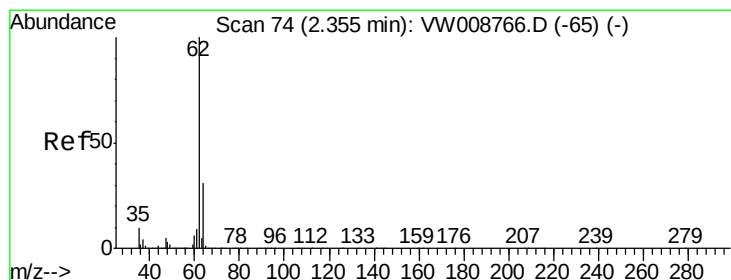
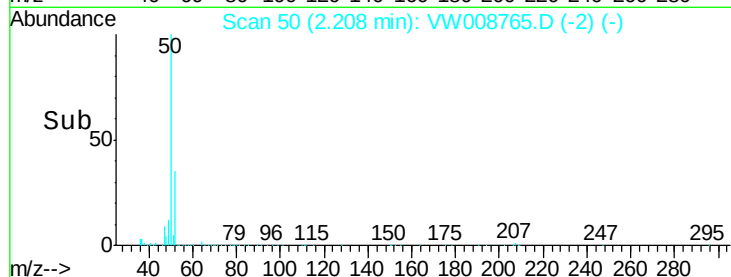
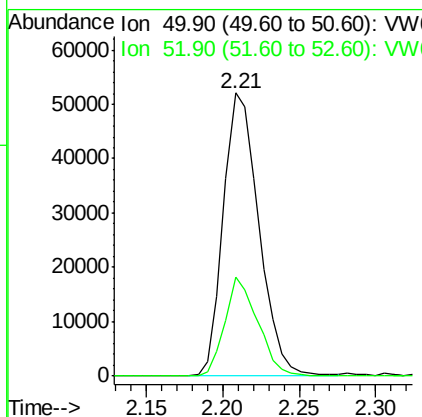
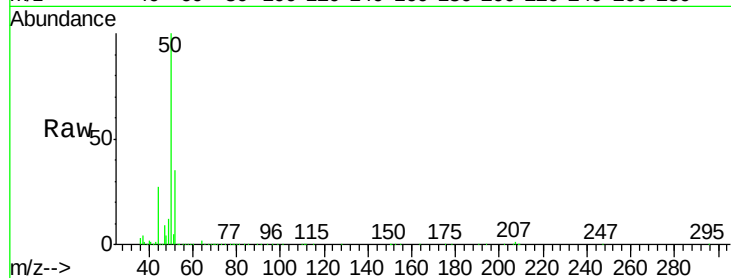
50 100

52 35.0 25.9 38.9

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#4

Vinyl Chloride

Concen: 20.101 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008765.D

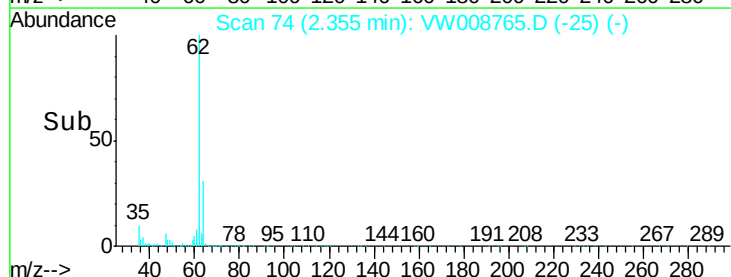
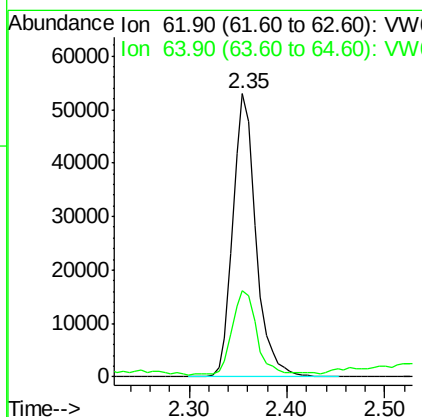
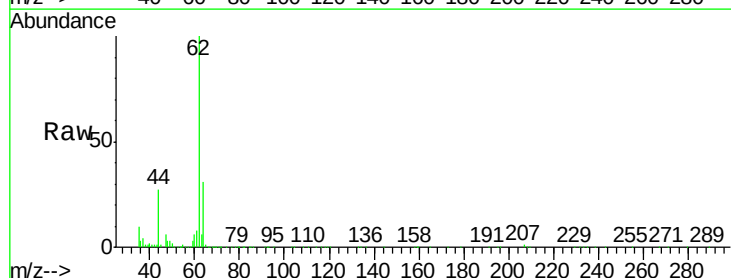
Acq: 21 Feb 2019 11:47

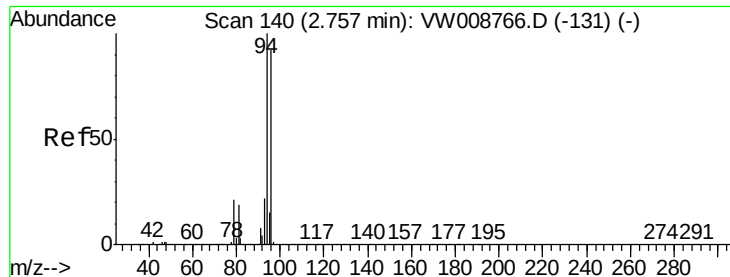
Tgt Ion: 62 Resp: 86911

Ion Ratio Lower Upper

62 100

64 29.9 24.9 37.3





#5

Bromomethane

Concen: 21.693 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 69665

Ion Ratio Lower Upper

94 100

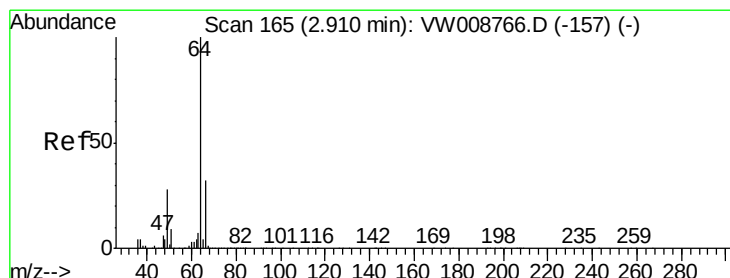
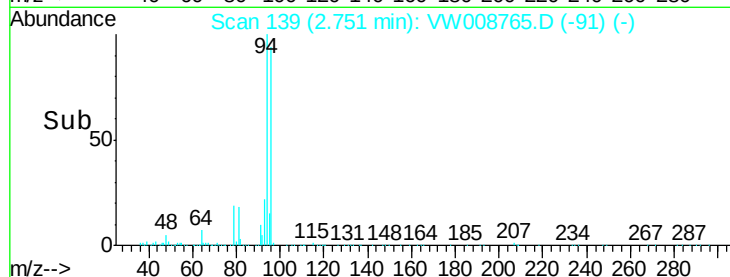
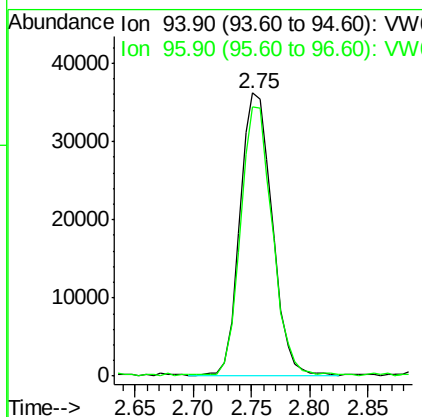
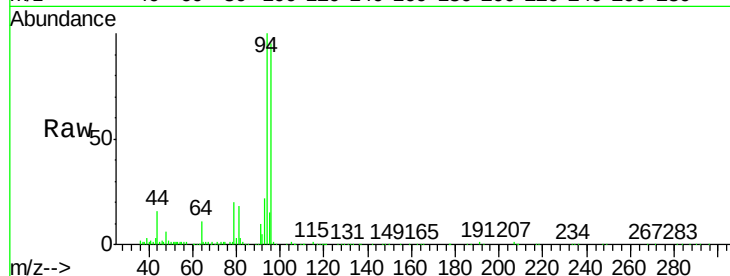
96 94.6 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 20.096 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW008765.D

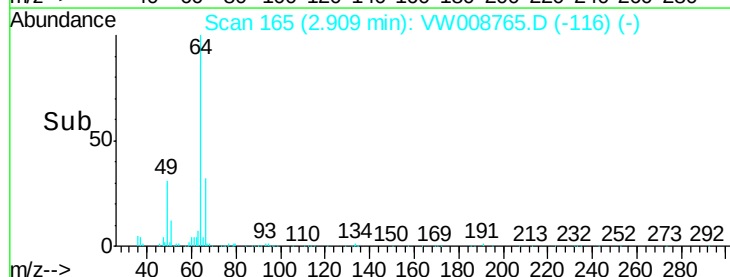
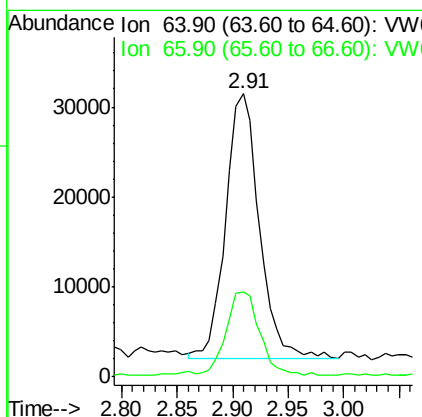
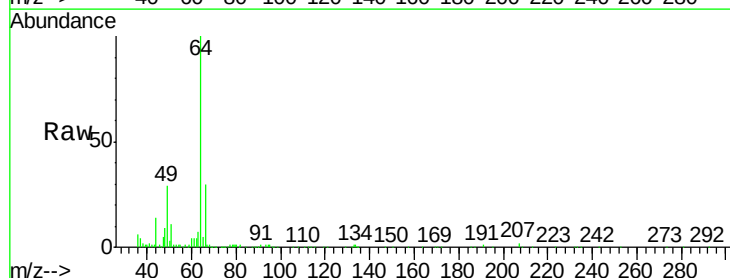
Acq: 21 Feb 2019 11:47

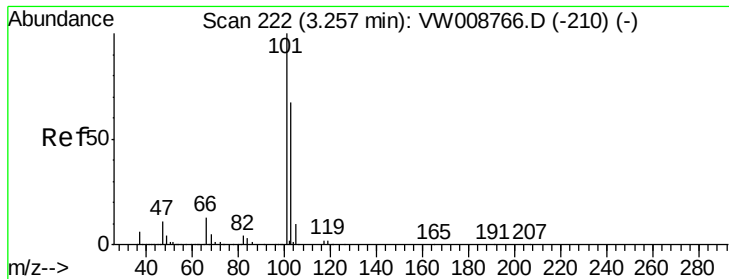
Tgt Ion: 64 Resp: 61699

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

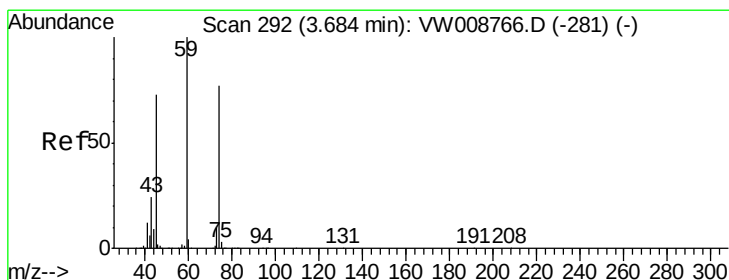
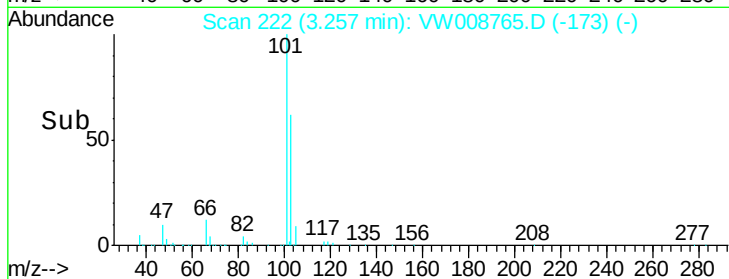
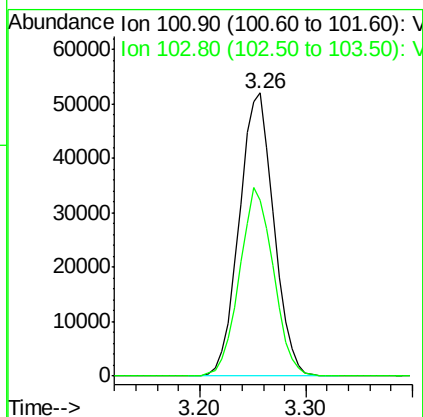
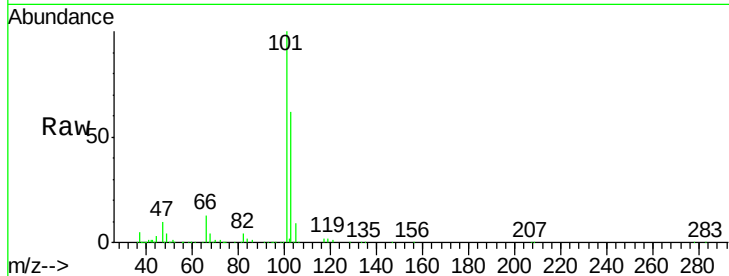
Trichlorofluoromethane
 Concen: 21.689 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
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 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	118602		
103	62.1	53.9	80.9	

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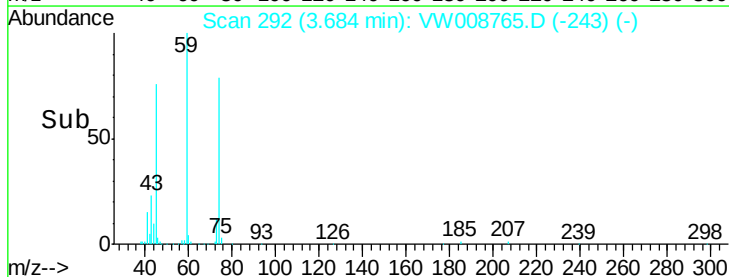
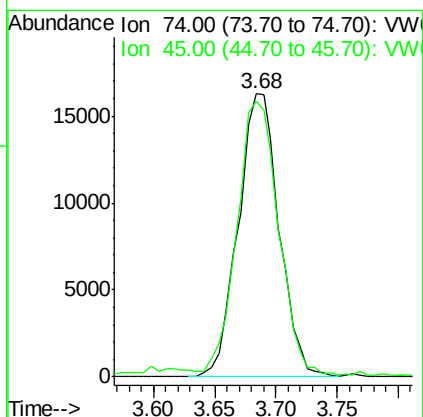
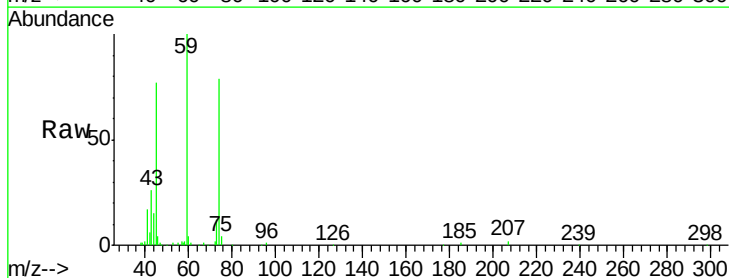
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 2/22/2019 12:25:10 PM

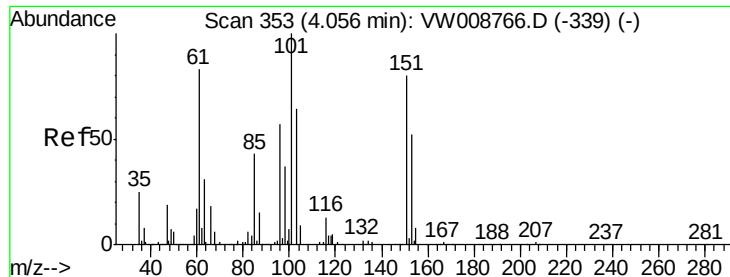


#8

Diethyl Ether
 Concen: 21.810 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37758		
45	99.1	50.2	150.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.781 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

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MSVOA_W

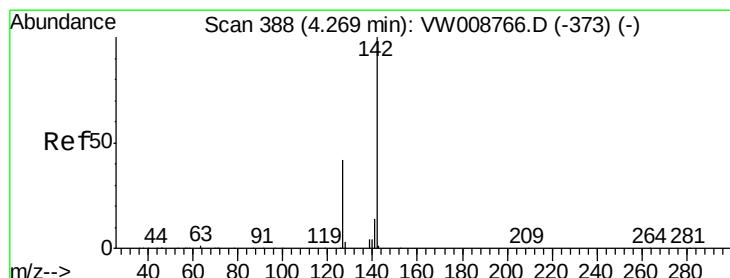
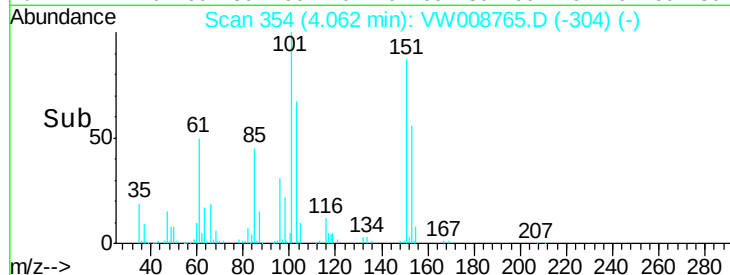
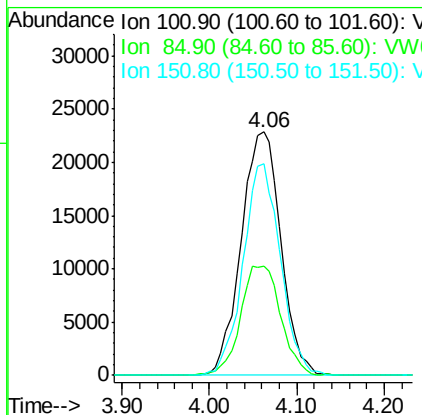
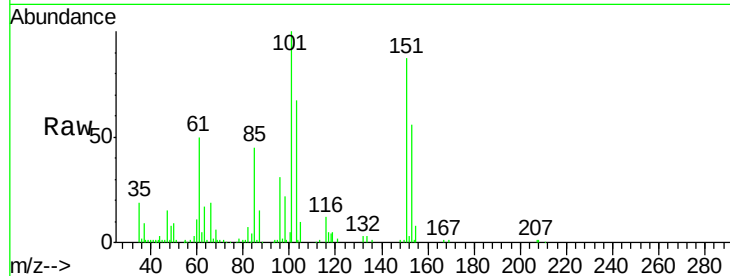
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	72328
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	81.5	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.568 ug/l

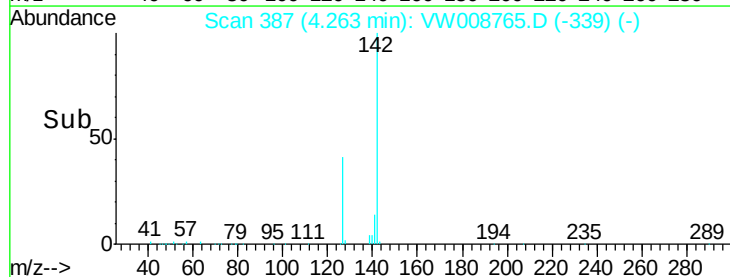
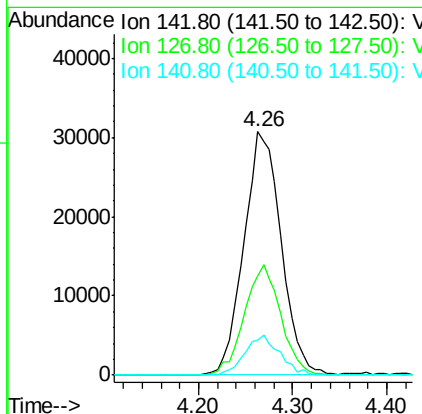
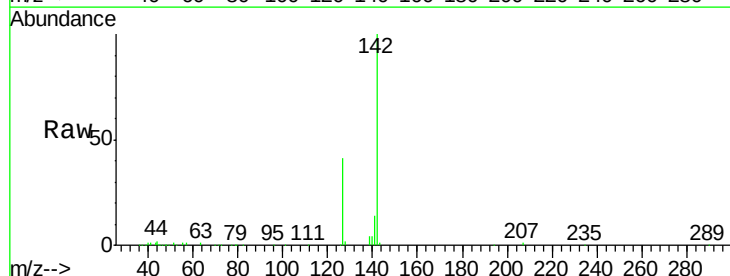
RT: 4.26 min Scan# 387

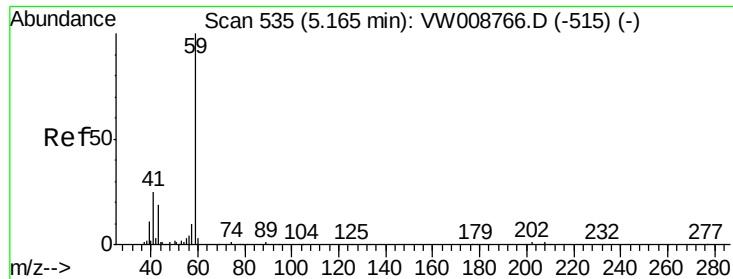
Delta R.T. -0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Tgt Ion:	142	Resp:	85409
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	15.3	11.7	17.5





#11

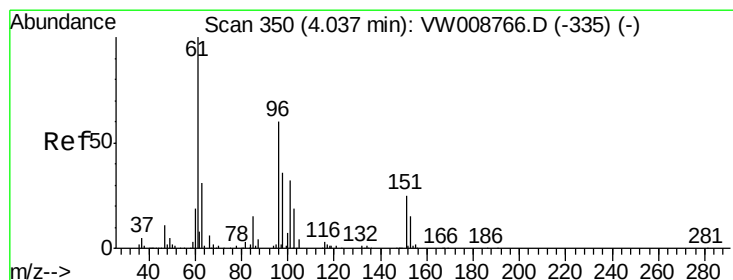
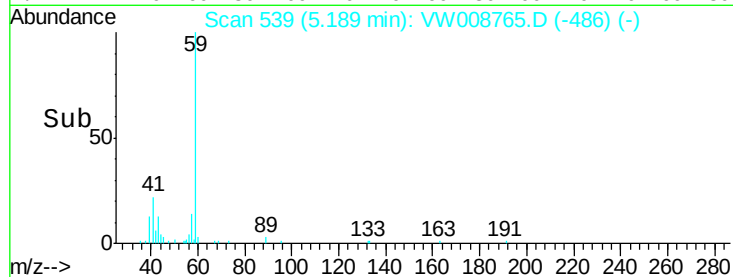
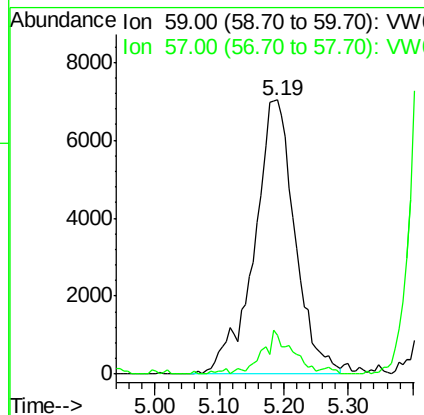
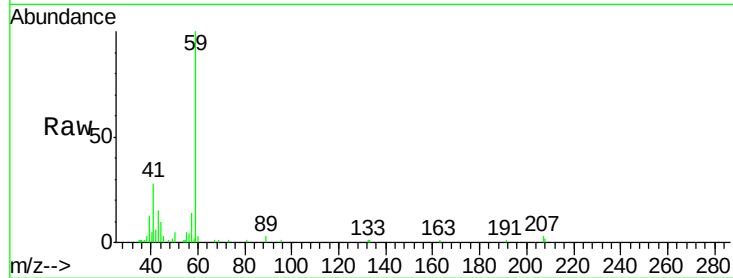
Tert butyl alcohol
 Concen: 112.645 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.3	13.9

Manual Integrations
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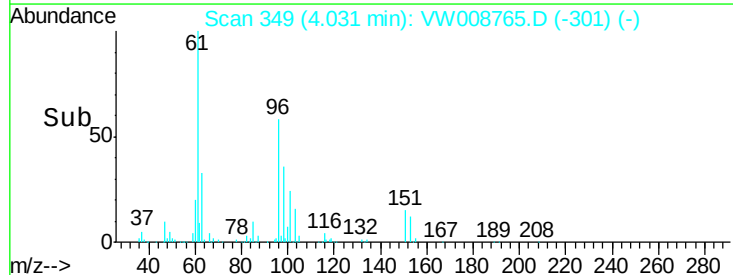
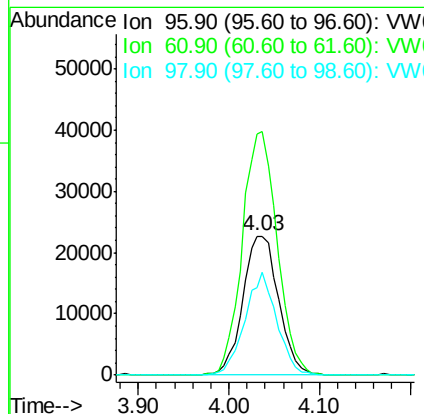
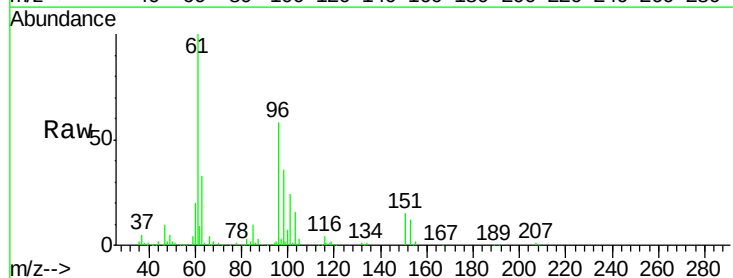
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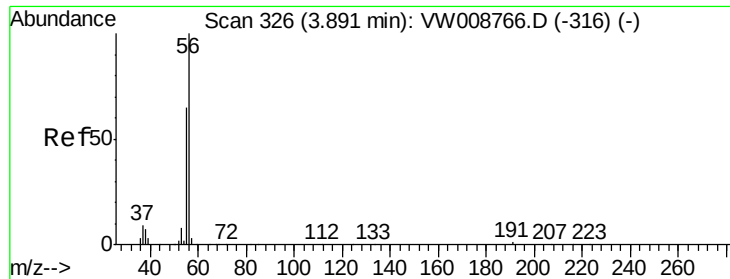


#12

1,1-Dichloroethene
 Concen: 21.171 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	132.5	198.7
98	62.7	48.2	72.4





#13

Acrolein

Concen: 90.115 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 23833

Ion Ratio Lower Upper

56 100

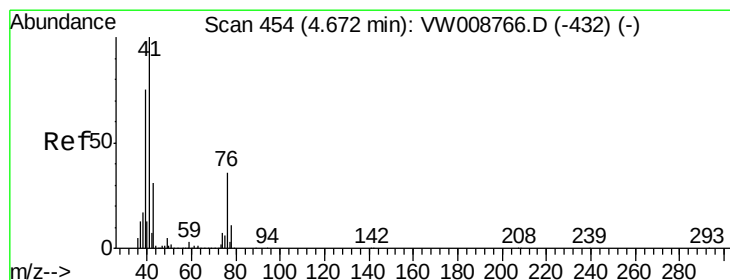
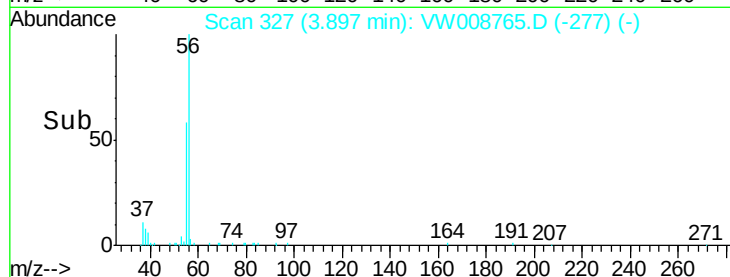
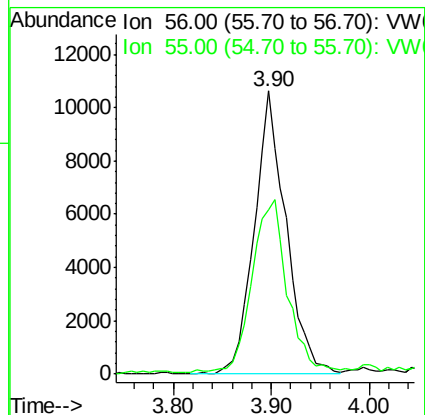
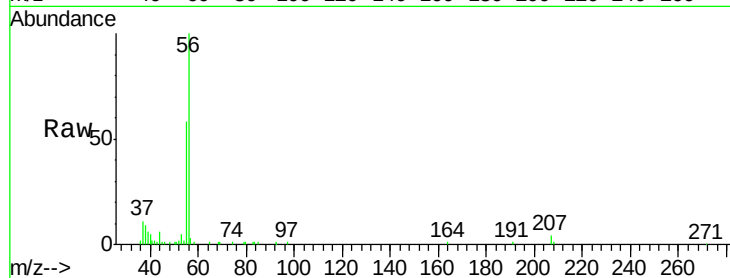
55 68.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 21.268 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

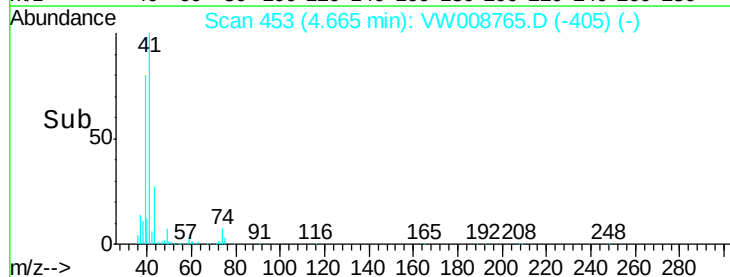
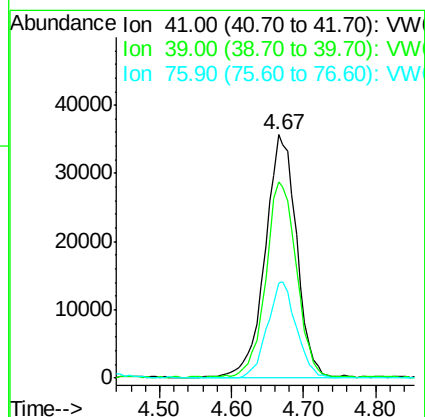
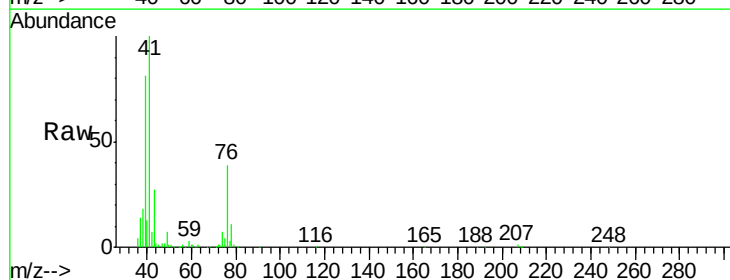
Tgt Ion: 41 Resp: 107647

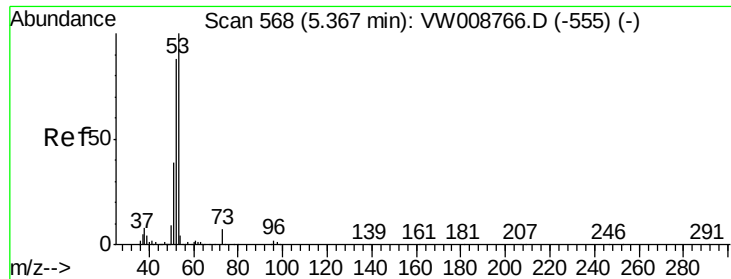
Ion Ratio Lower Upper

41 100

39 77.9 60.6 91.0

76 36.7 28.6 42.8





#15

Acrylonitrile

Concen: 107.899 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

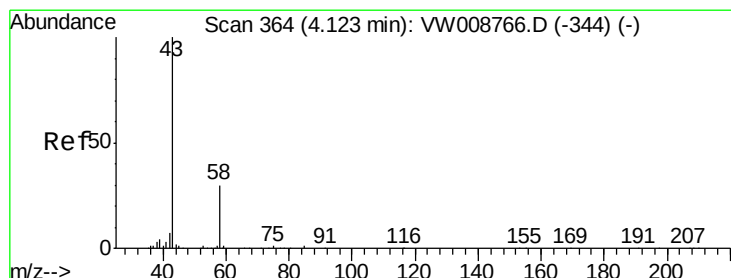
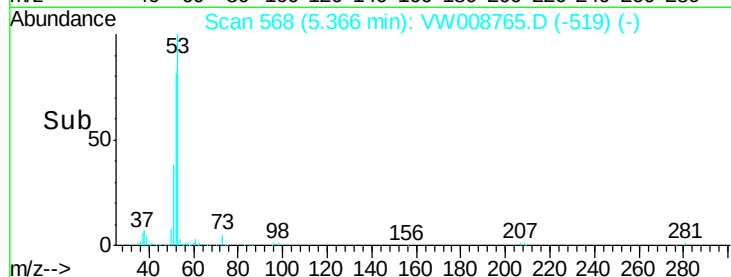
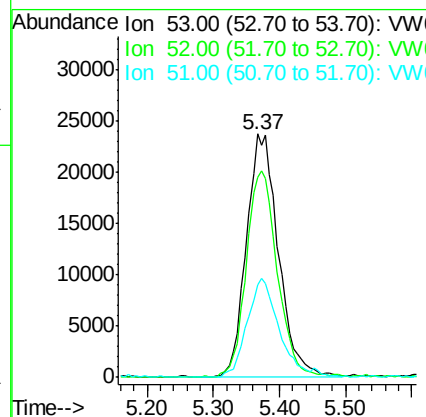
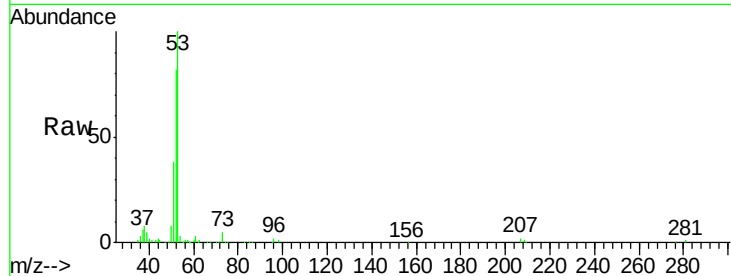
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	80167
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.2	100.8
51	39.8	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 104.466 ug/l

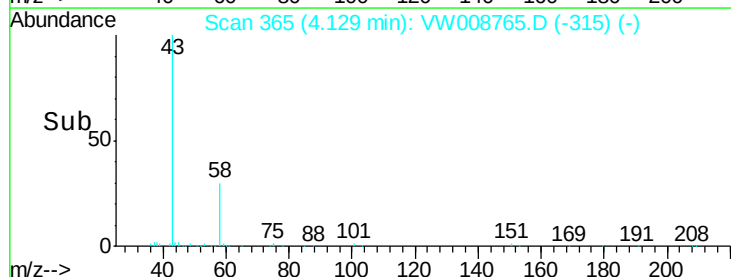
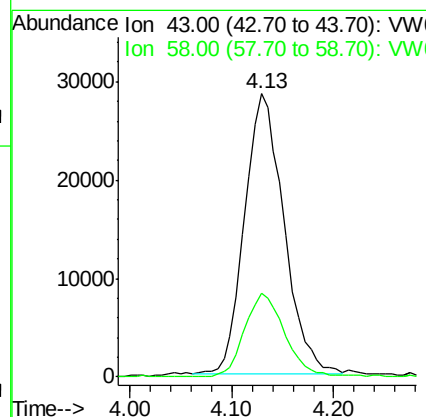
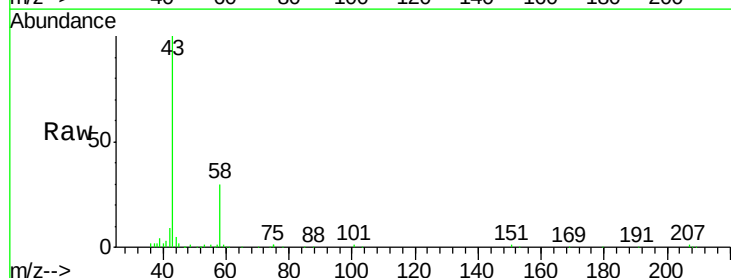
RT: 4.13 min Scan# 365

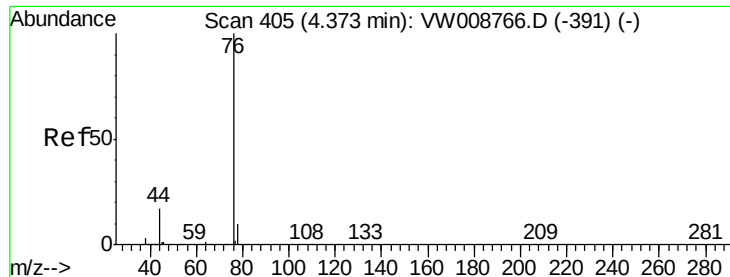
Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Tgt Ion:	43	Resp:	76069
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.8	35.6





#17

Carbon Disulfide

Concen: 20.471 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 199190

Ion Ratio Lower Upper

76 100

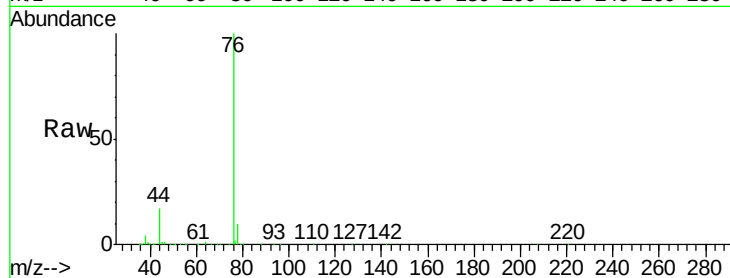
78 9.8 7.8 11.8

Manual Integrations

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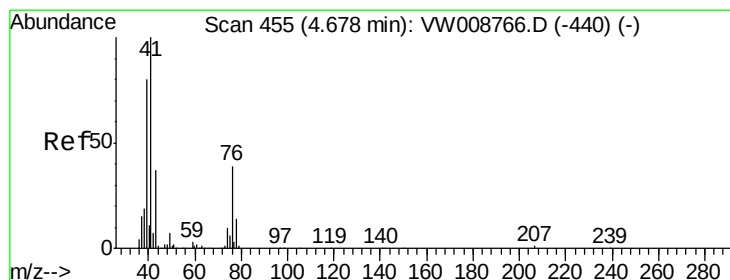
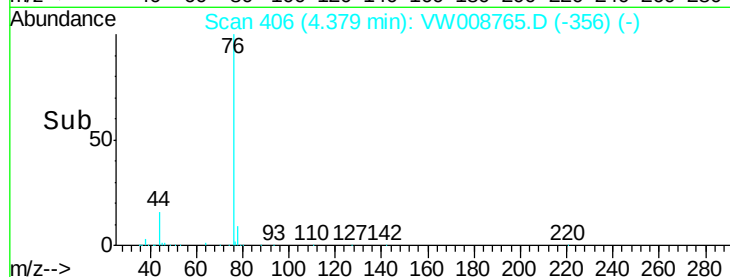
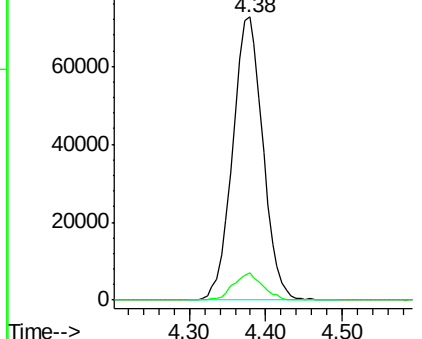
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.026 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW008765.D

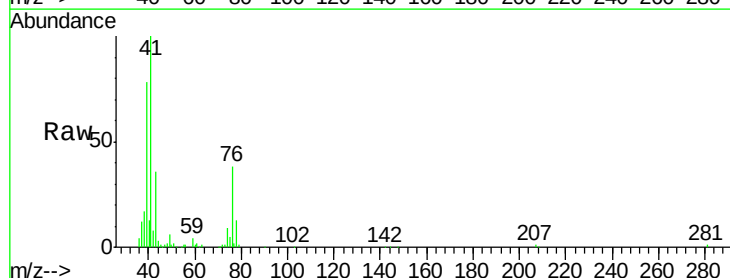
Acq: 21 Feb 2019 11:47

Tgt Ion: 43 Resp: 36315

Ion Ratio Lower Upper

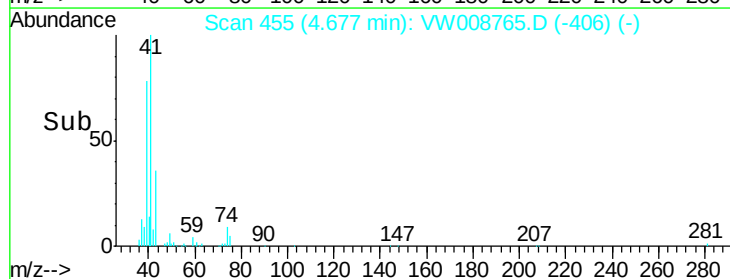
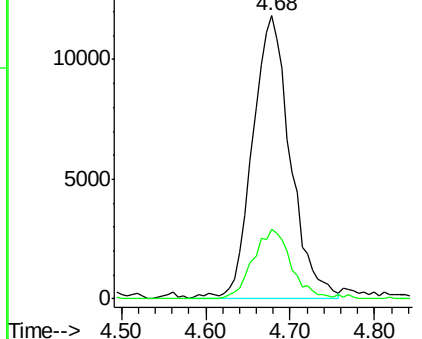
43 100

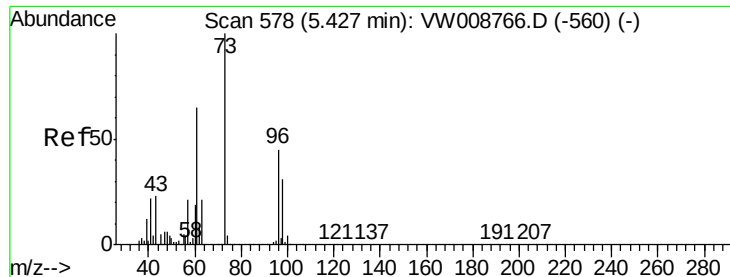
74 24.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





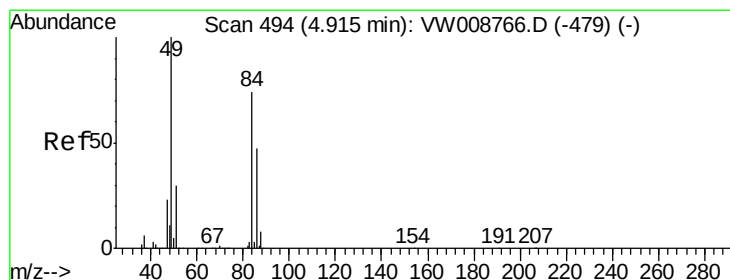
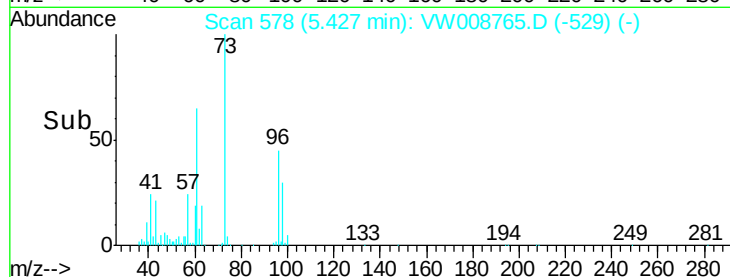
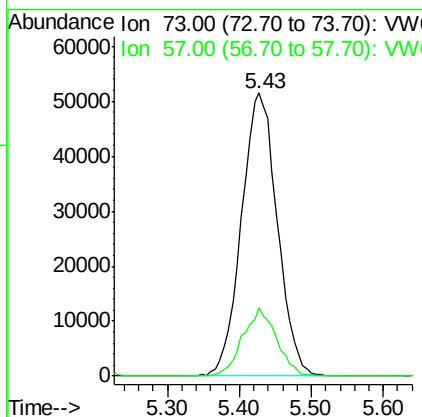
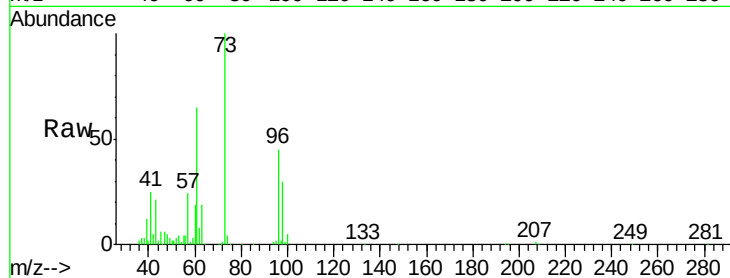
#19
Methyl tert-butyl Ether
Concen: 22.437 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 178101
Ion Ratio Lower Upper
73 100
57 24.0 16.8 25.2

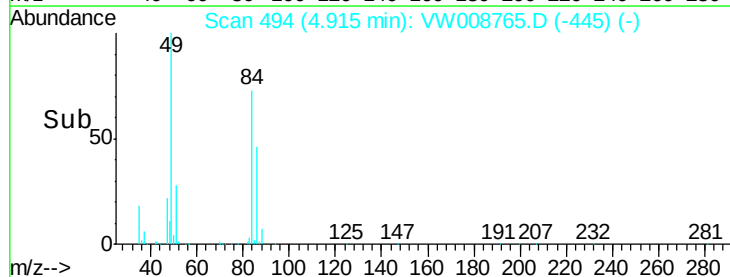
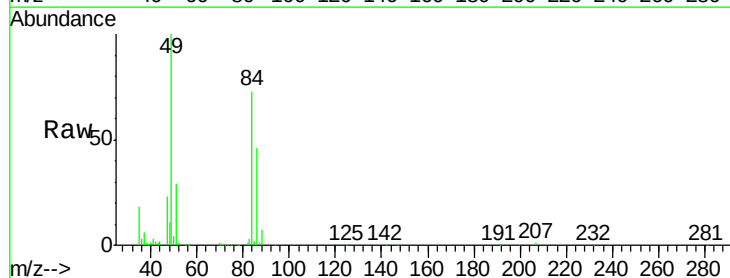
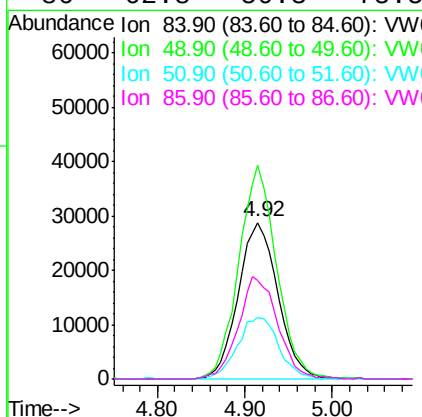
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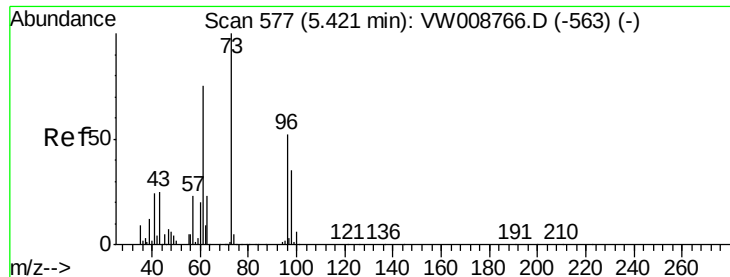
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#20
Methylene Chloride
Concen: 21.174 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion: 84 Resp: 90905
Ion Ratio Lower Upper
84 100
49 136.4 108.2 162.2
51 39.0 32.7 49.1
86 62.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 21.443 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

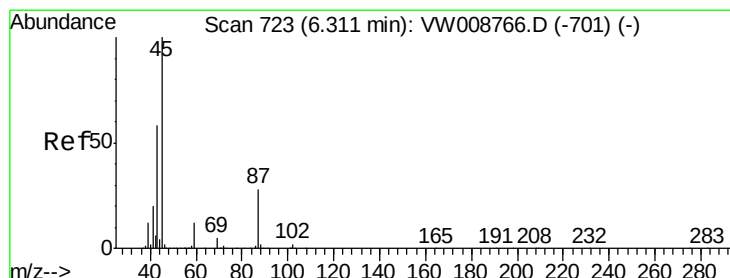
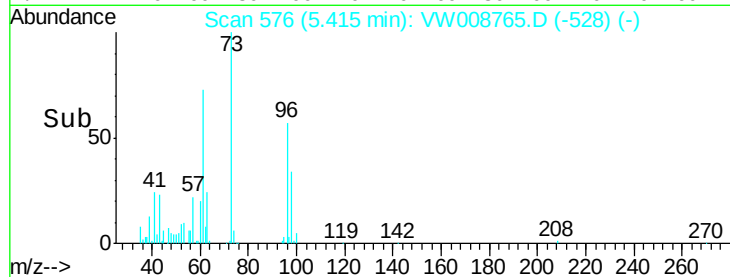
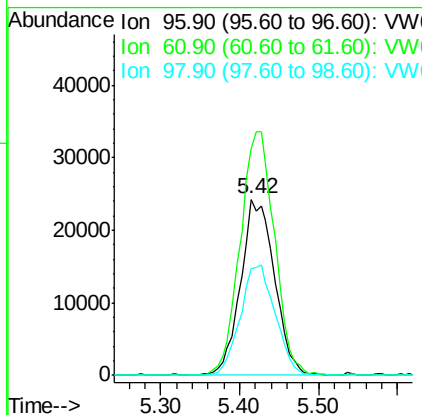
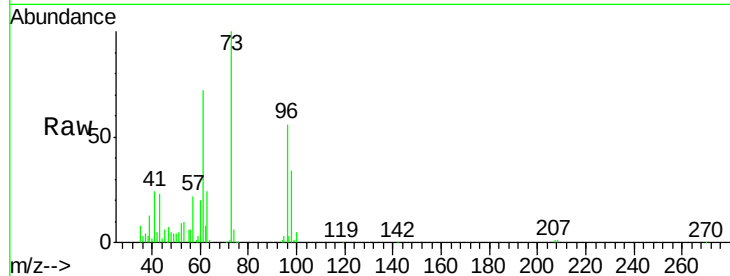
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	72741
Ion	Ratio	Lower	Upper
96	100		
61	128.3	114.6	171.8
98	60.8	54.0	81.0

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#22

Diisopropyl ether

Concen: 21.951 ug/l

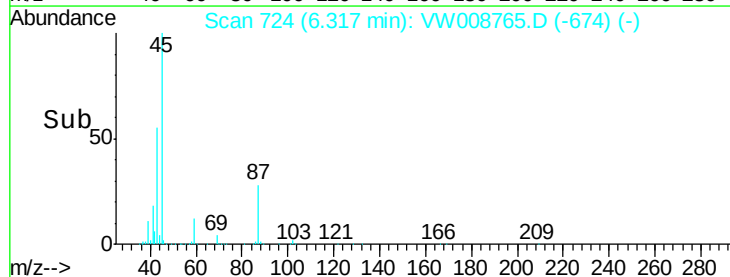
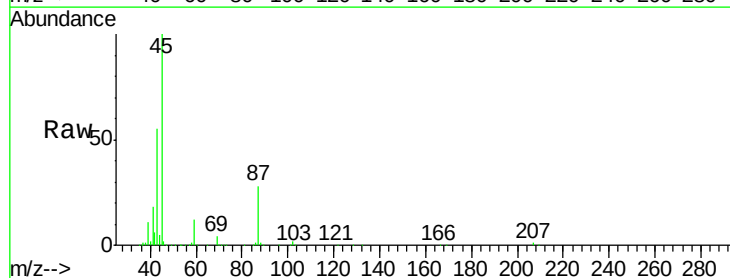
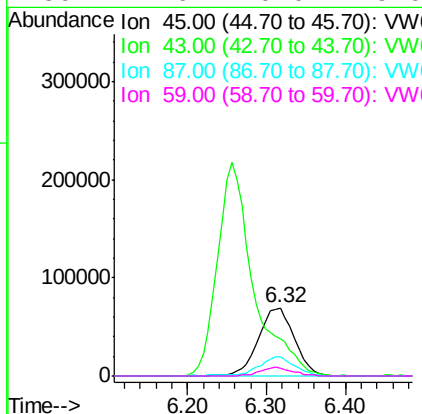
RT: 6.32 min Scan# 724

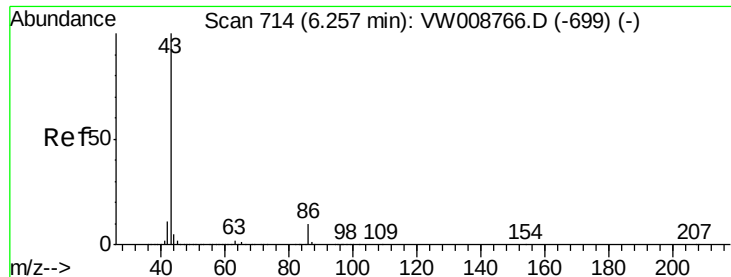
Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Tgt Ion:	45	Resp:	221635
Ion	Ratio	Lower	Upper
45	100		
43	54.4	46.1	69.1
87	27.8	22.2	33.4
59	11.6	10.0	15.0





#23

Vinyl Acetate

Concen: 111.776 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 697298

Ion Ratio Lower Upper

43 100

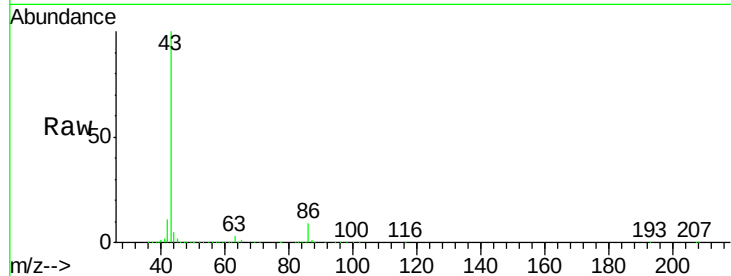
86 9.3 8.1 12.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

250000

200000

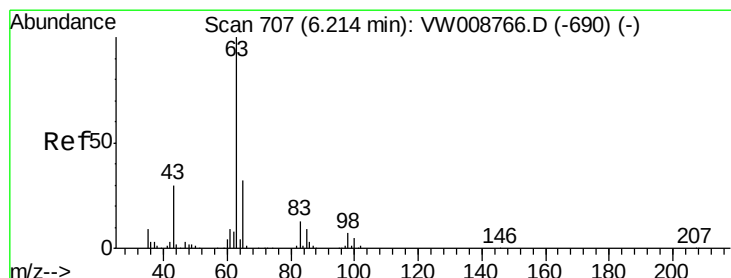
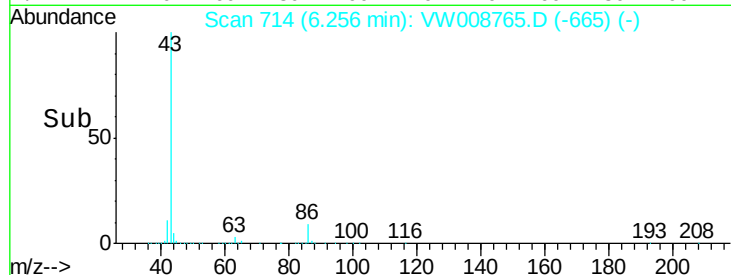
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.513 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

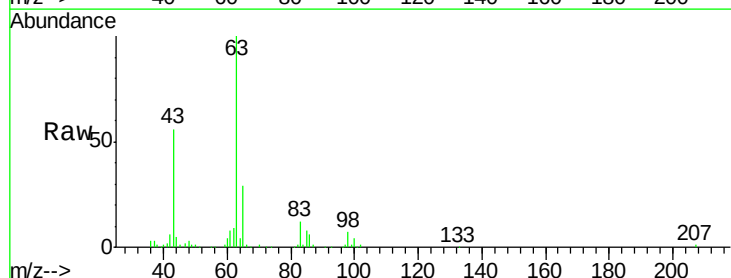
Tgt Ion: 63 Resp: 125868

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.6

100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

50000

40000

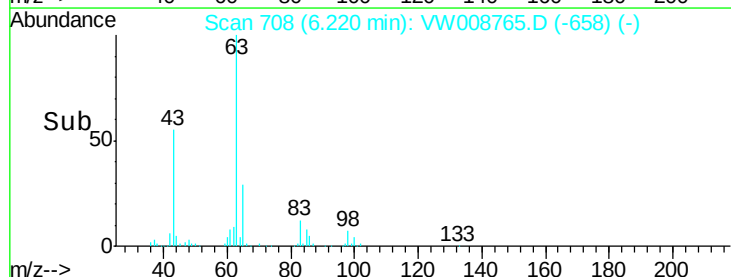
30000

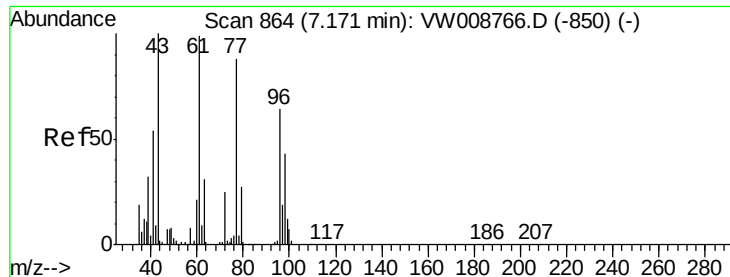
20000

10000

0

Time-->





#25

2-Butanone

Concen: 108.293 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 110245

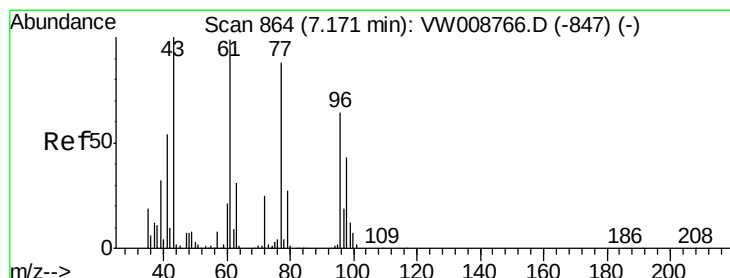
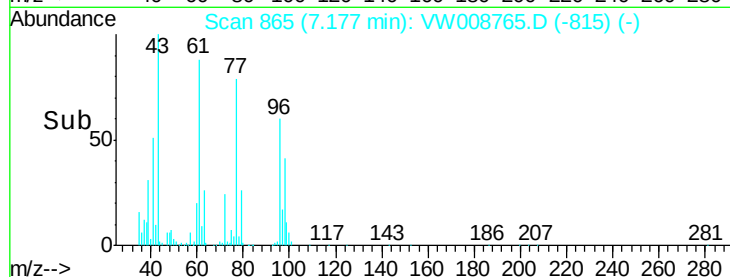
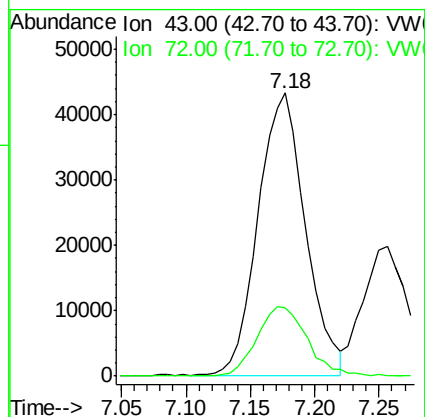
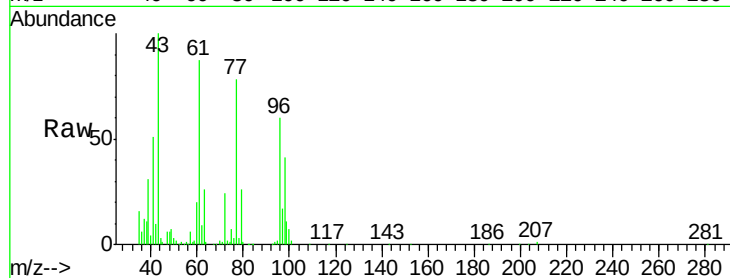
Ion Ratio Lower Upper

43 100

72 24.1 19.7 29.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 21.128 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008765.D

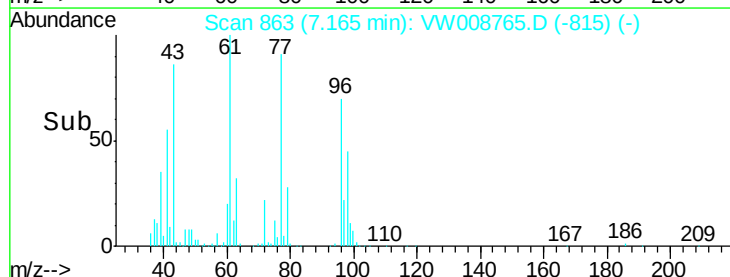
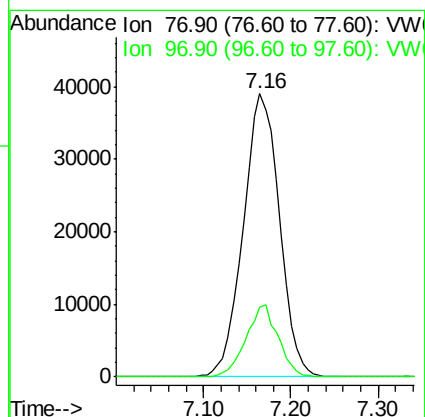
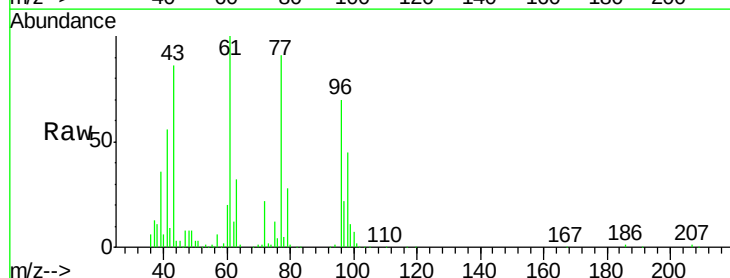
Acq: 21 Feb 2019 11:47

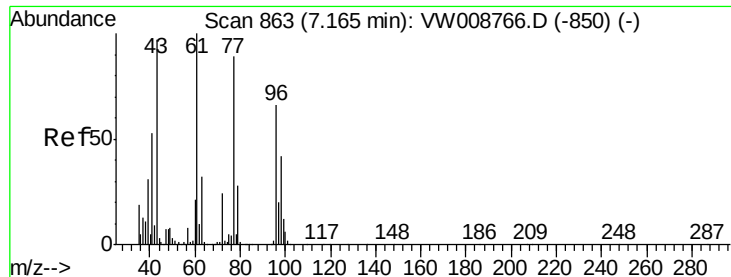
Tgt Ion: 77 Resp: 112227

Ion Ratio Lower Upper

77 100

97 22.7 11.0 33.0





#27

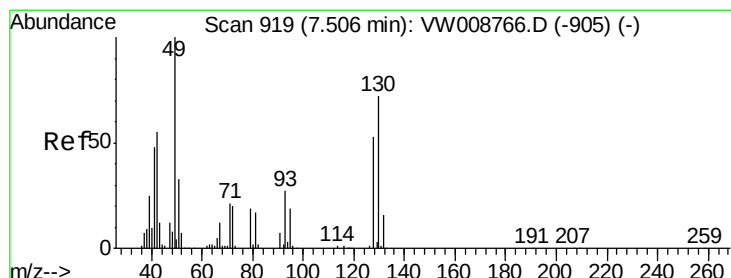
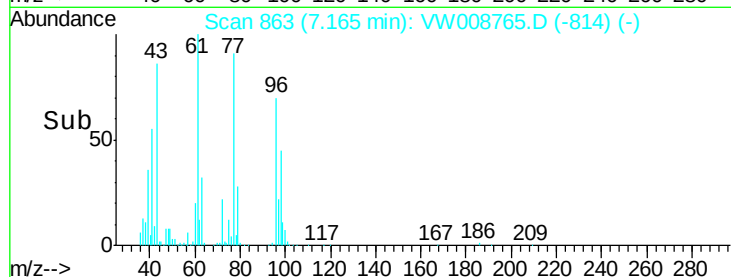
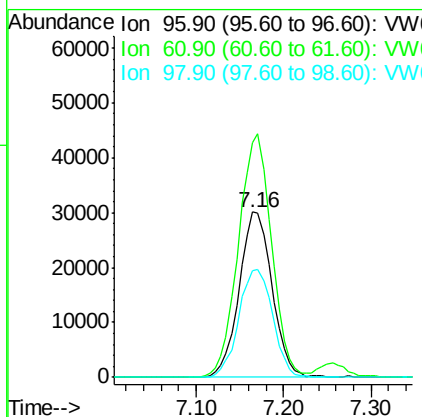
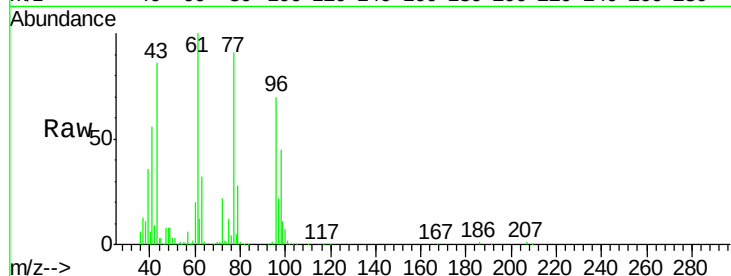
cis-1,2-Dichloroethene
 Concen: 21.731 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	302.6
98	67.1	0.0	130.0

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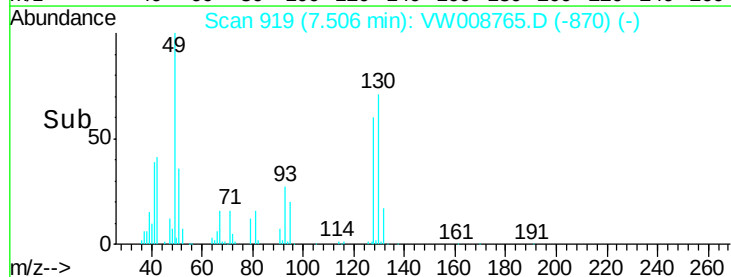
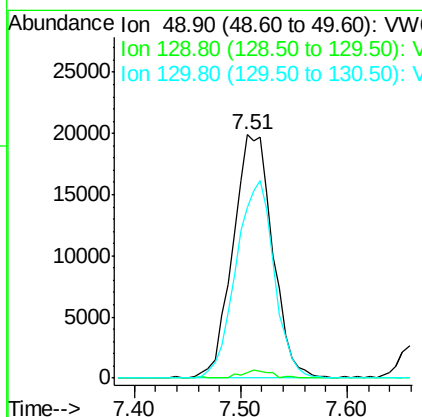
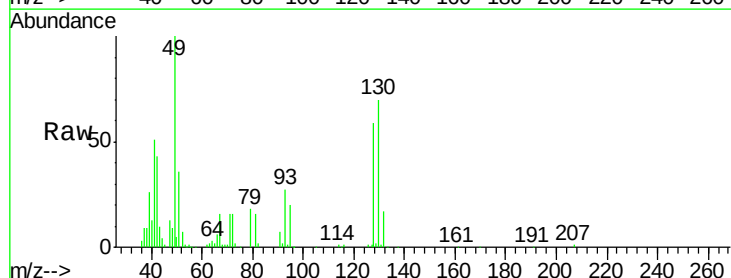
MMDadoda
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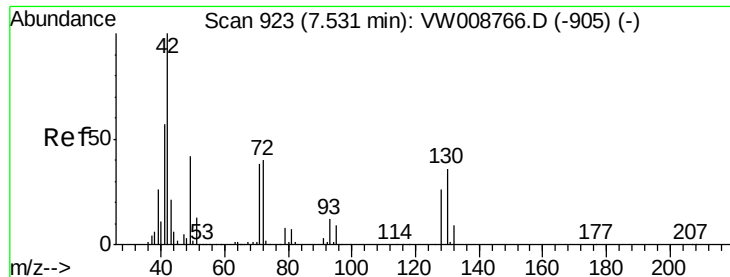


#28

Bromochloromethane
 Concen: 21.295 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.6
130	77.7	61.3	91.9





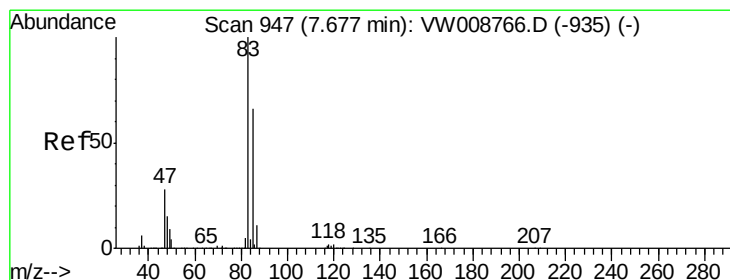
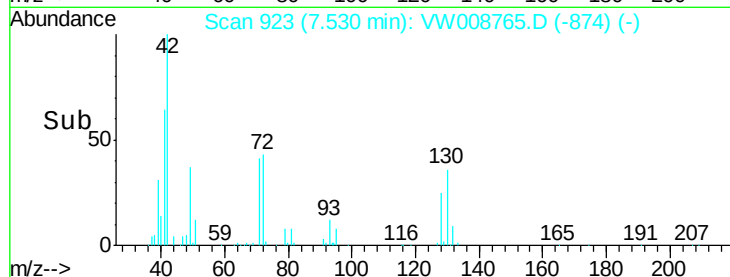
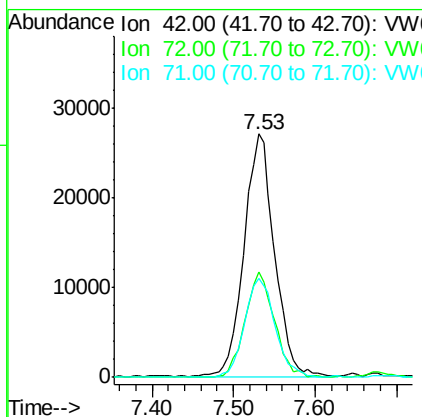
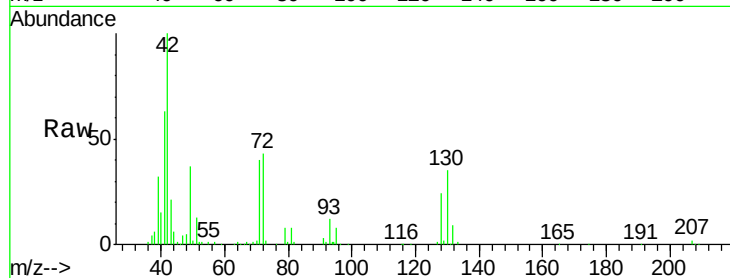
#29
Tetrahydrofuran
Concen: 107.726 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.7	49.1
71	41.3	31.3	46.9

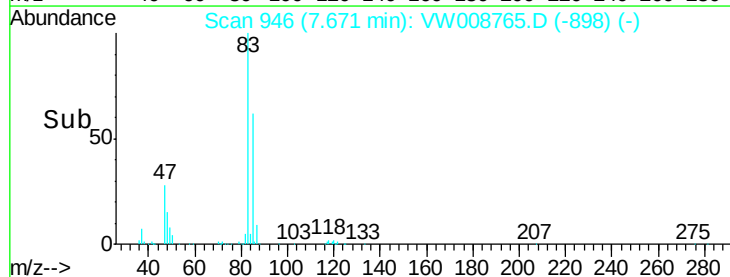
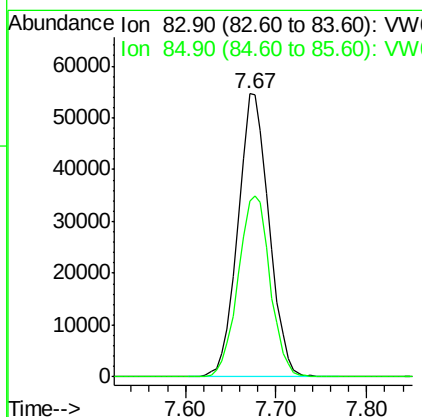
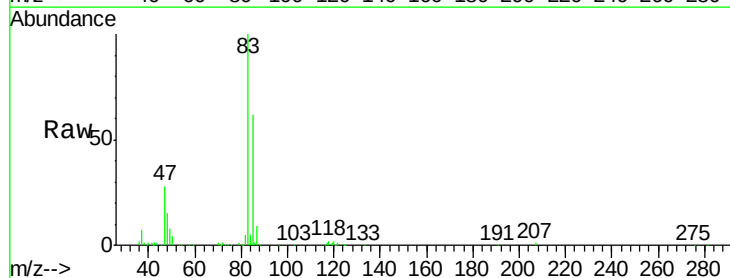
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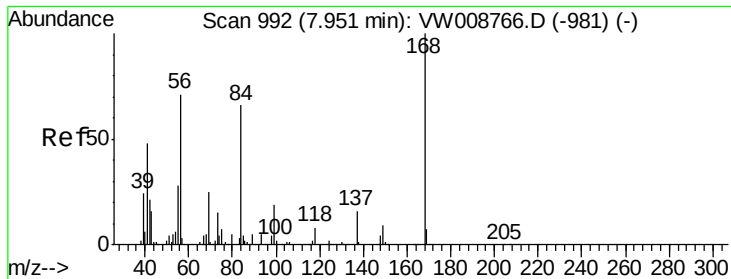
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#30
Chloroform
Concen: 21.596 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.6	79.0





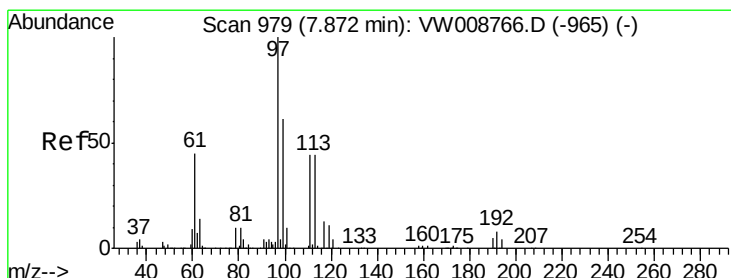
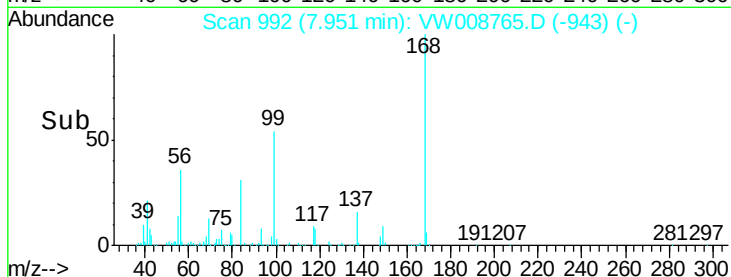
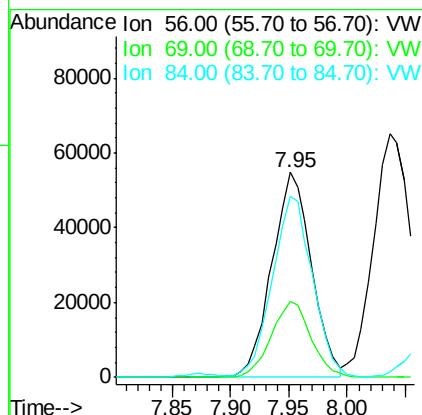
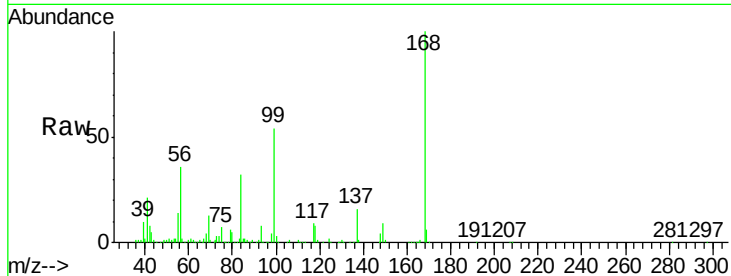
#31
Cyclohexane
Concen: 21.672 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	56	69	84
Ion	100	36.7	86.4
Ratio			
Lower	28.2	74.1	
Upper	42.4	111.1	

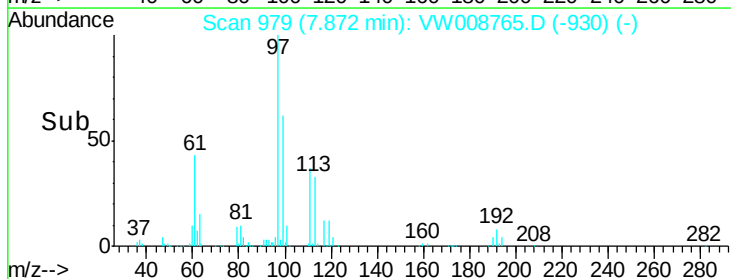
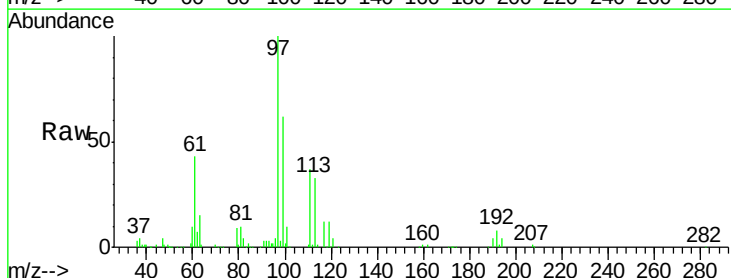
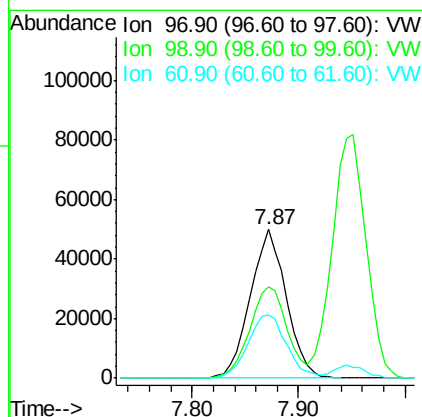
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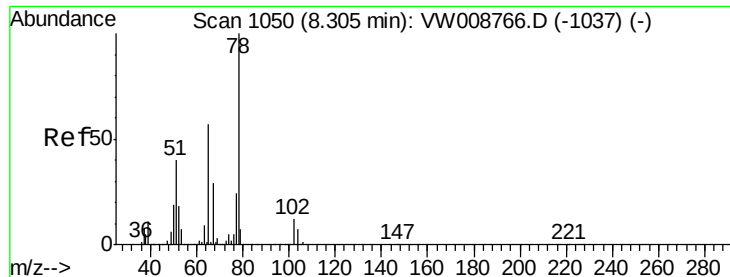
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#32
1,1,1-Trichloroethane
Concen: 21.744 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	97	99	61
Ion	100	63.8	45.7
Ratio			
Lower	50.8	36.0	
Upper	76.2	54.0	





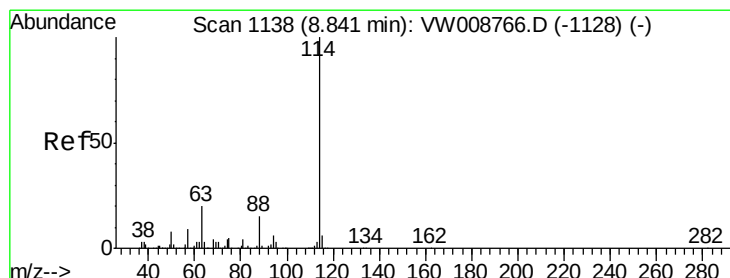
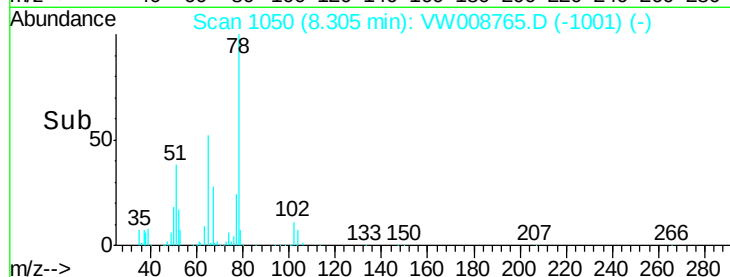
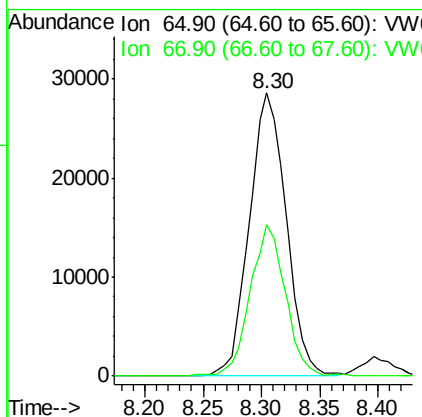
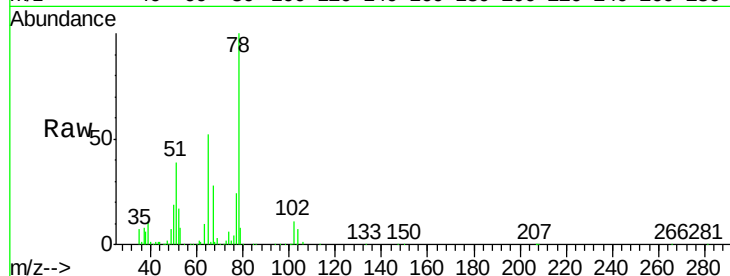
#33
 1,2-Dichloroethane-d4
 Concen: 20.095 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	101.4

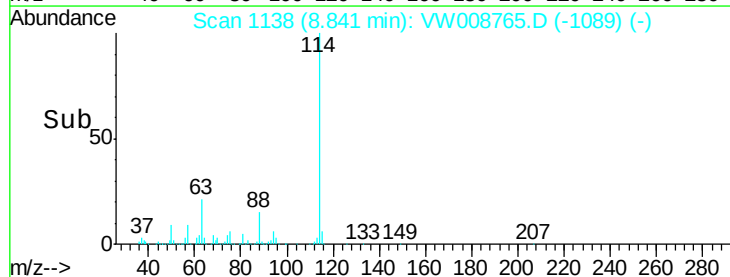
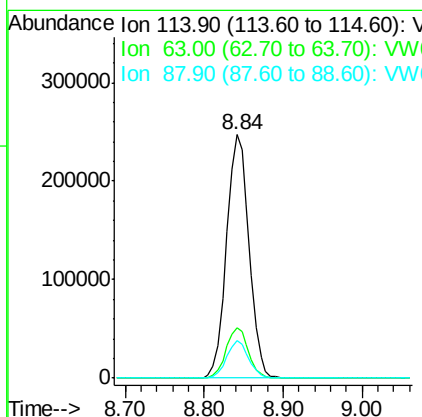
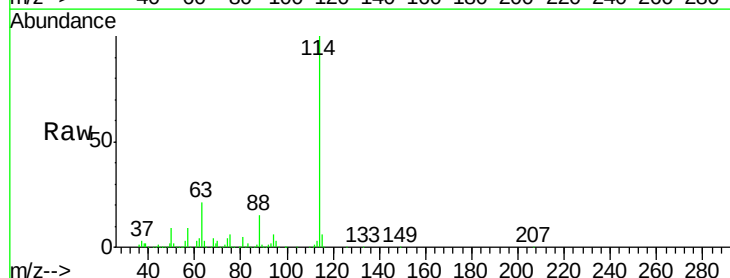
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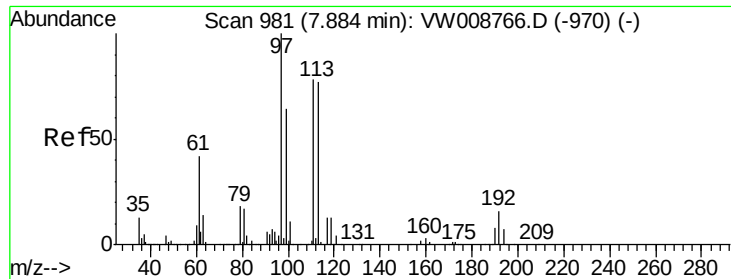
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	15.2	0.0	30.4





#35

Dibromofluoromethane

Concen: 19.931 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

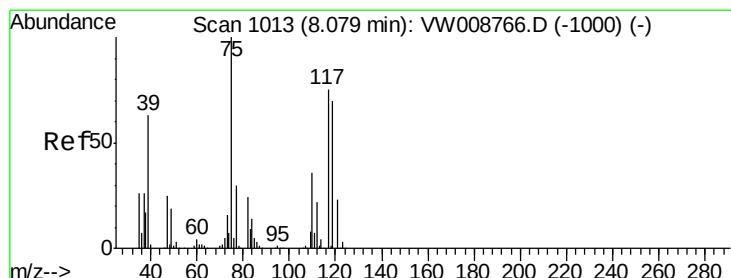
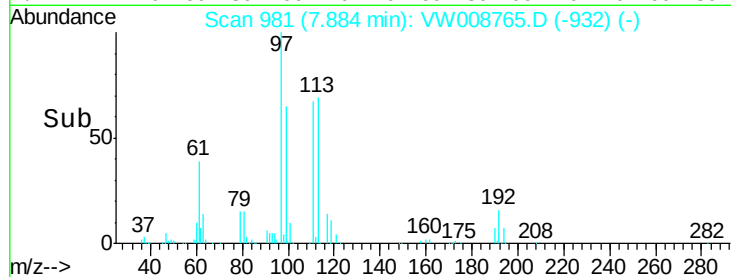
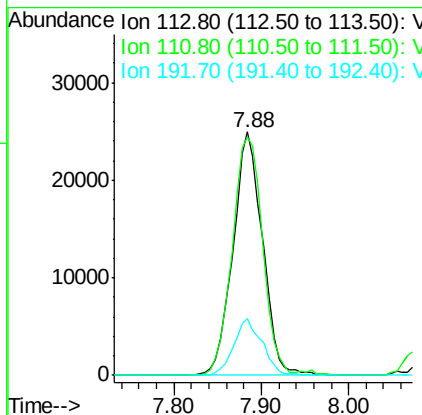
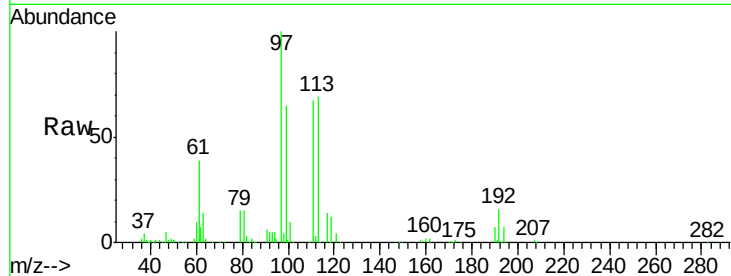
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	58480
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.9	122.9
192	22.3	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.835 ug/l

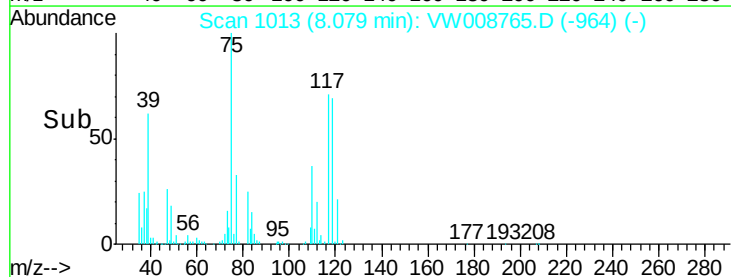
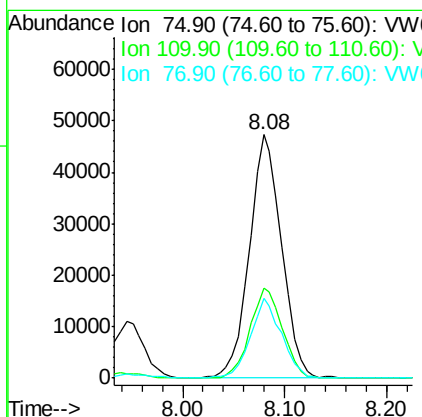
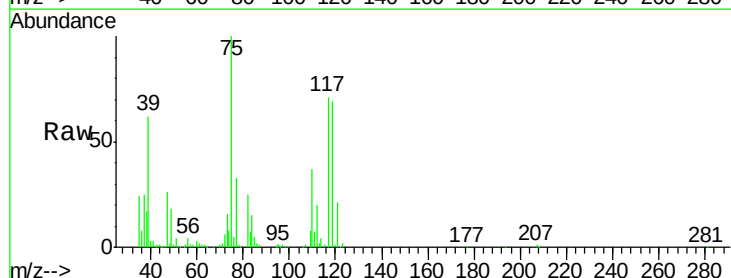
RT: 8.08 min Scan# 1013

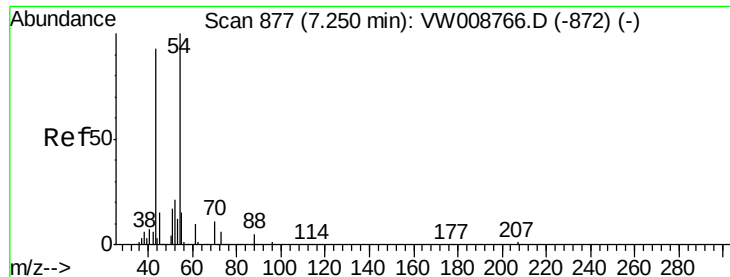
Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Tgt Ion:	75	Resp:	103874
Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.5	52.6
77	31.8	24.5	36.7





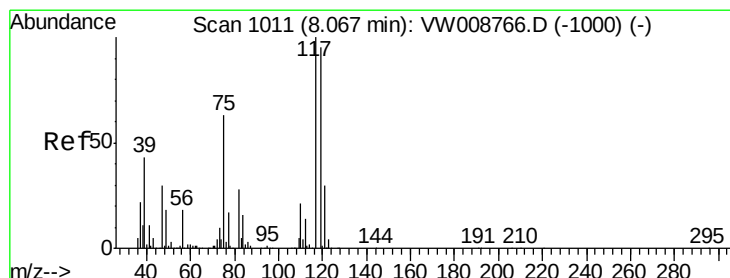
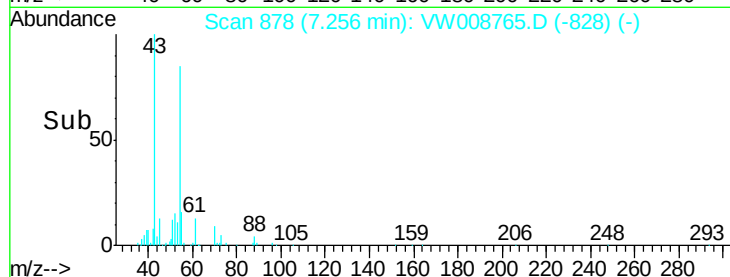
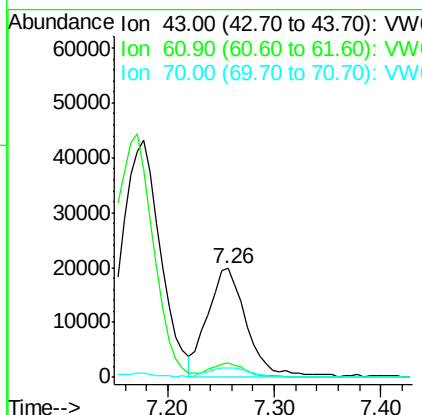
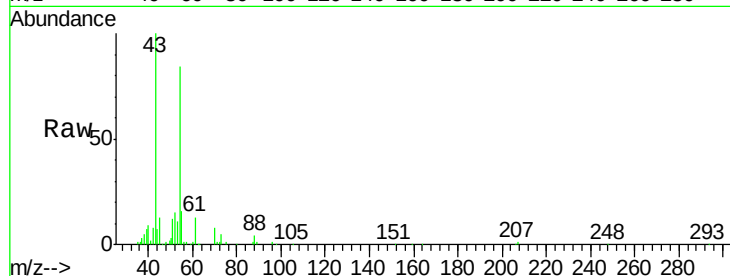
#37
Ethyl Acetate
Concen: 22.542 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.8	14.8
70	9.9	8.4	12.6

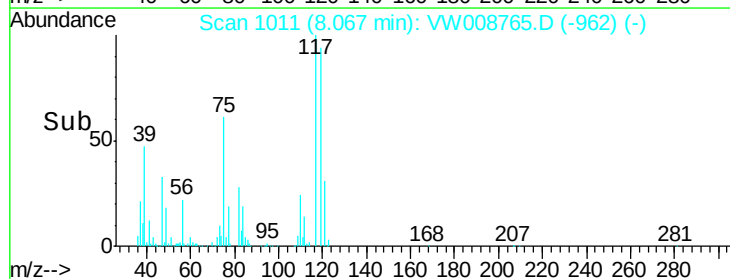
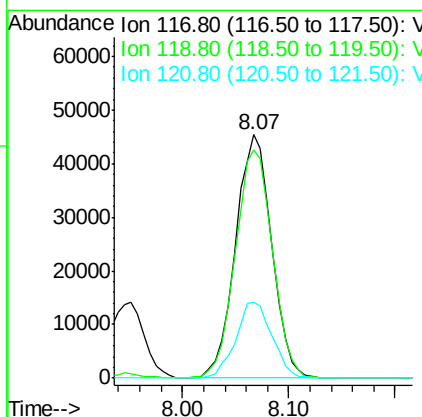
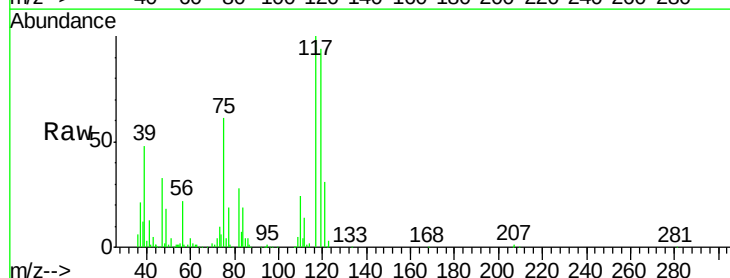
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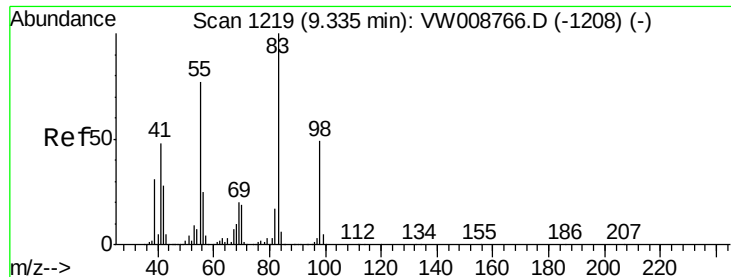
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#38
Carbon Tetrachloride
Concen: 21.574 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.1	114.1
121	31.4	24.0	36.0





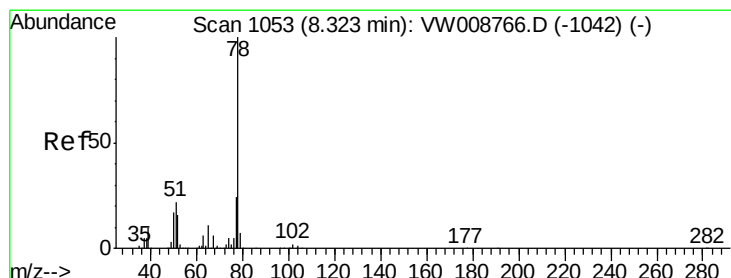
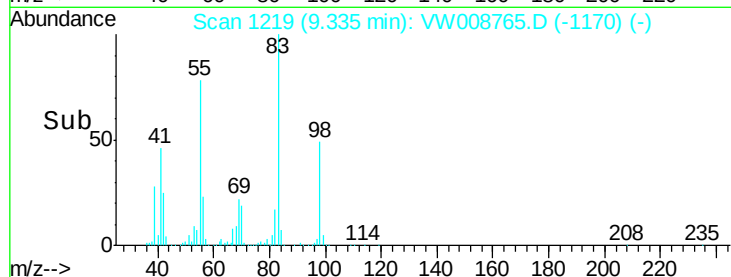
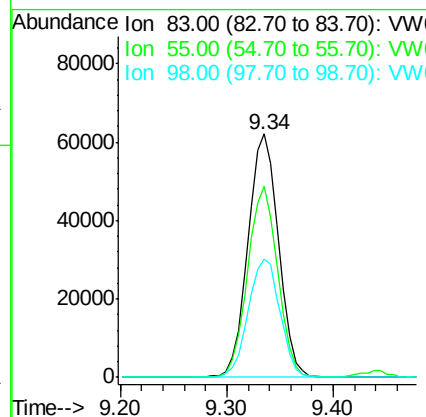
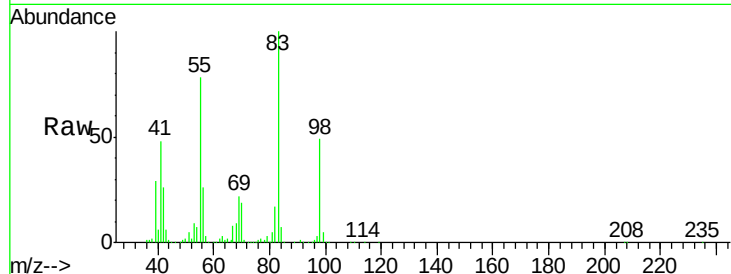
#39
Methylvlcyclohexane
Concen: 21.125 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125347		
55	78.2		61.2	91.8
98	48.7		39.4	59.2

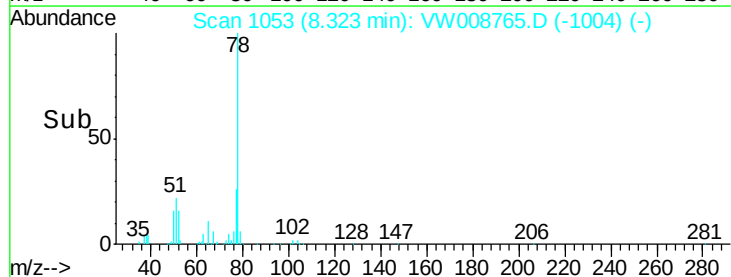
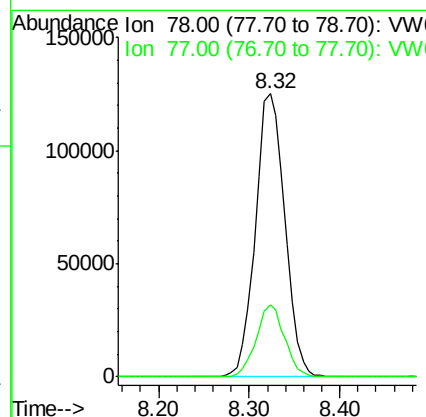
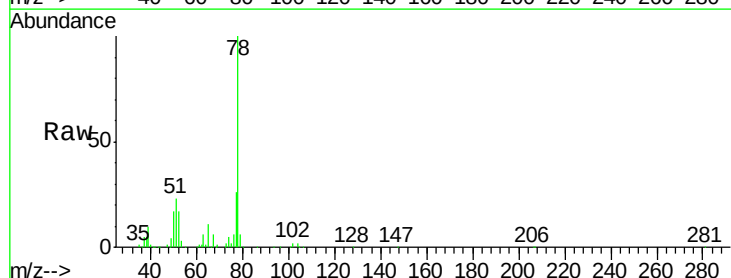
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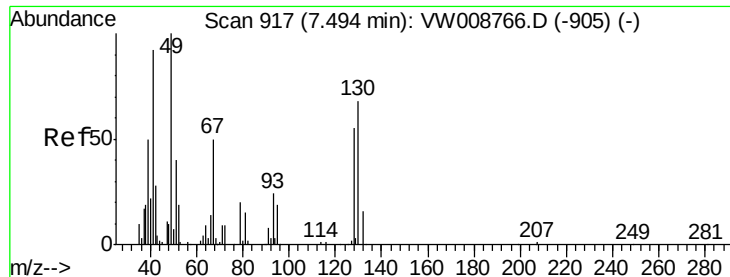
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#40
Benzene
Concen: 21.595 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	280483		
77	25.7		19.3	28.9





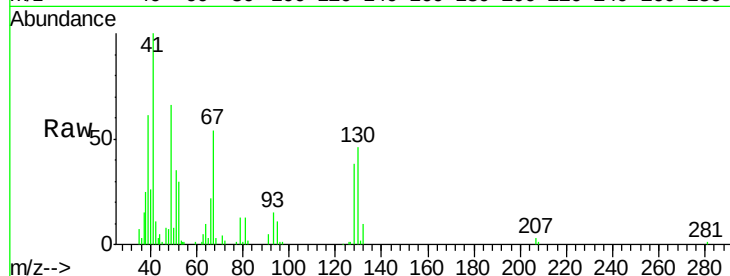
#41
Methacrylonitrile
Concen: 19.913 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	25894
Ion	Ratio	Lower	Upper
41	100		
39	56.2	52.5	78.7
67	73.7	55.0	82.6
52	34.2	26.9	40.3

Manual Integrations
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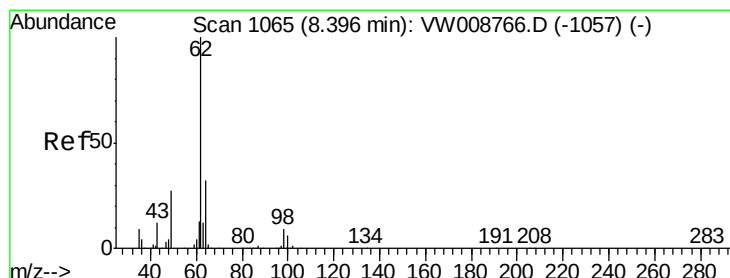
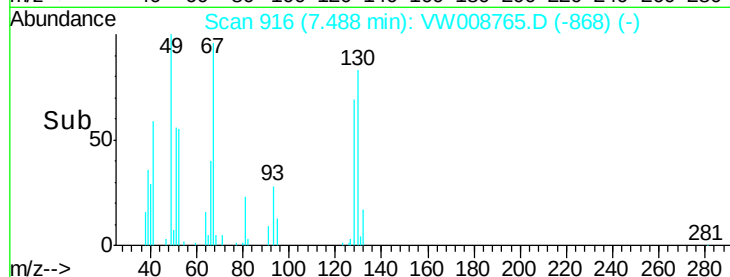
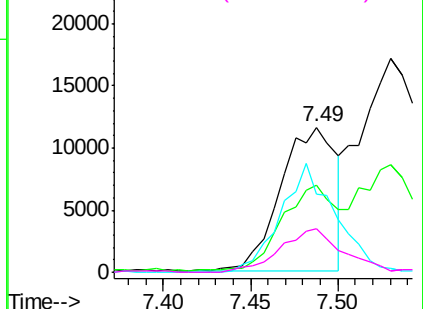
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

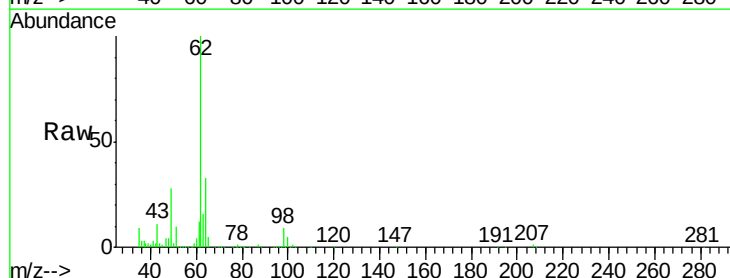
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.930 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

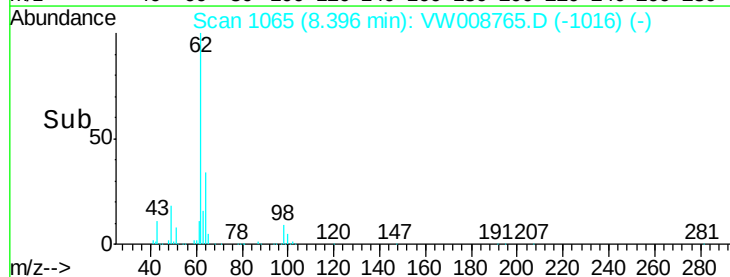
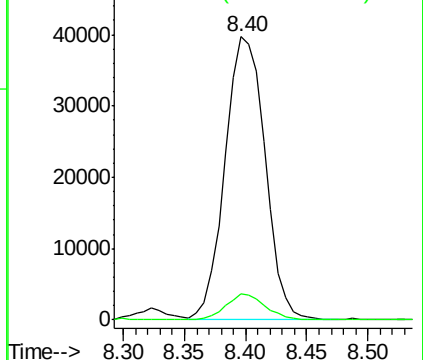
Tgt Ion	62	Resp	90232
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

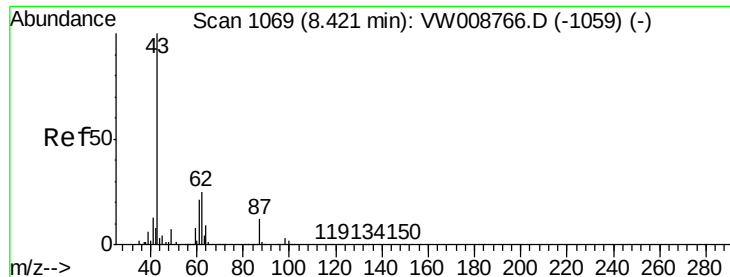


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.800 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

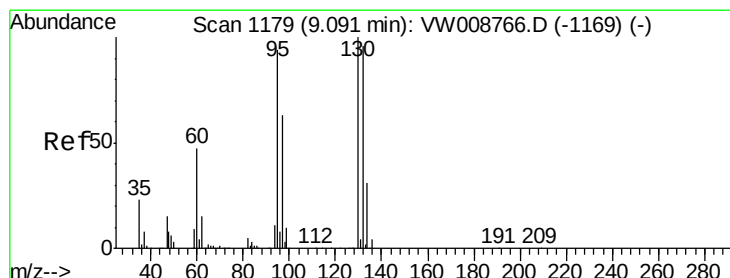
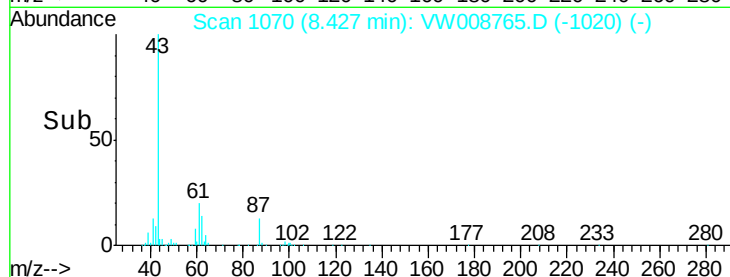
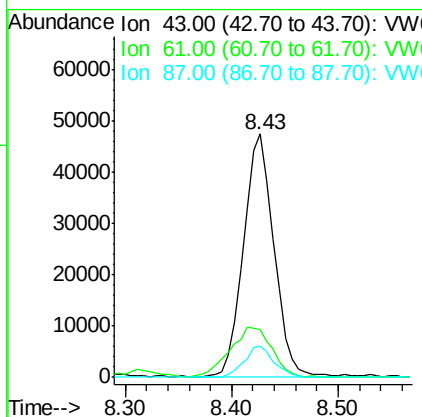
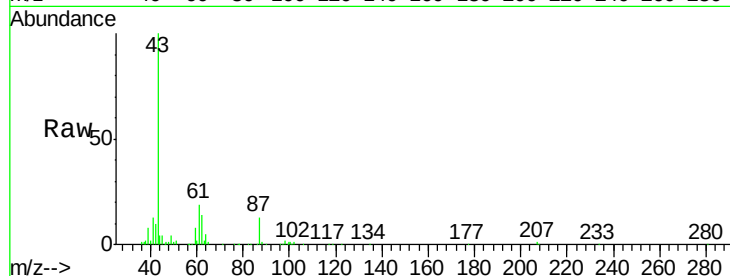
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	96247
Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.2	34.8
87	12.5	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 21.690 ug/l

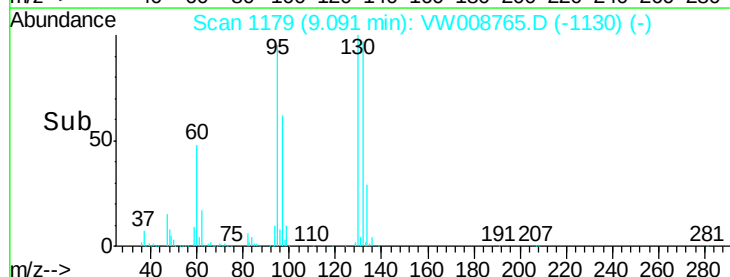
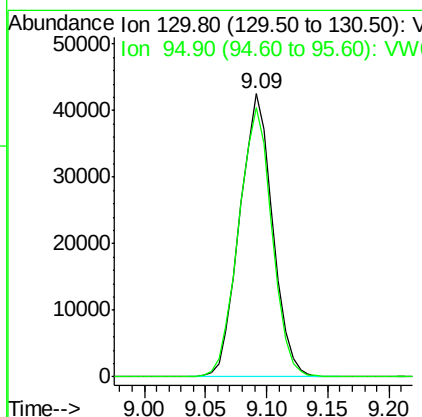
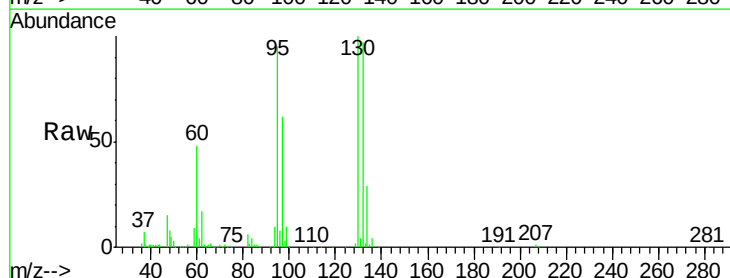
RT: 9.09 min Scan# 1179

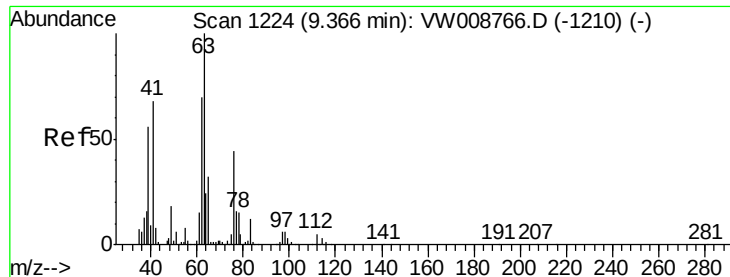
Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Tgt Ion:	130	Resp:	79363
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	188.6





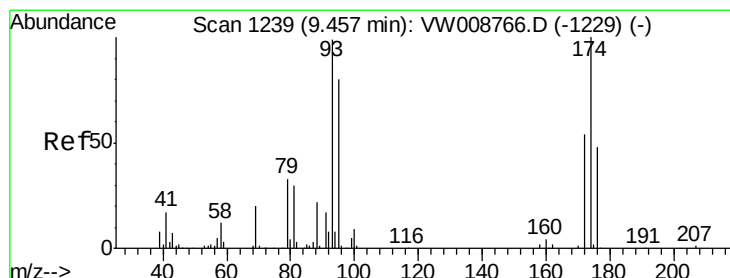
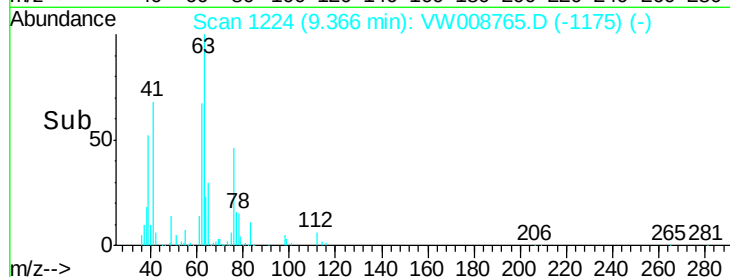
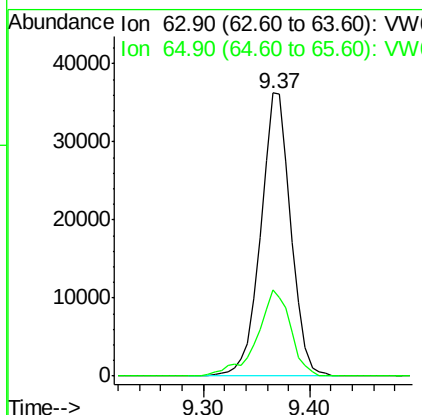
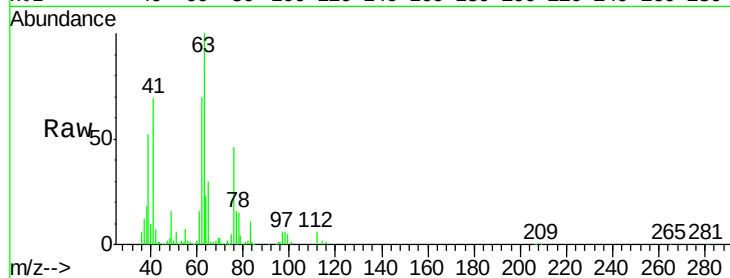
#45
 1,2-Dichloropropane
 Concen: 22.314 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.5	38.3

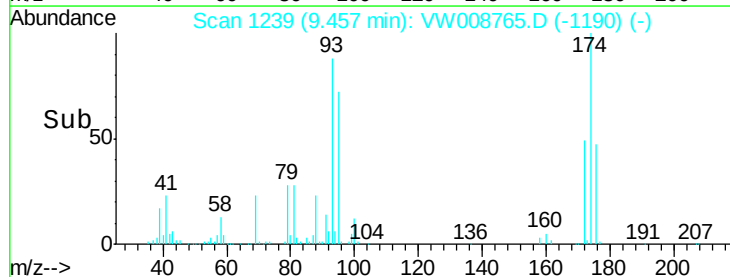
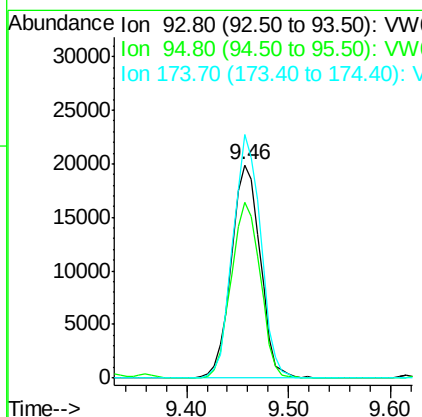
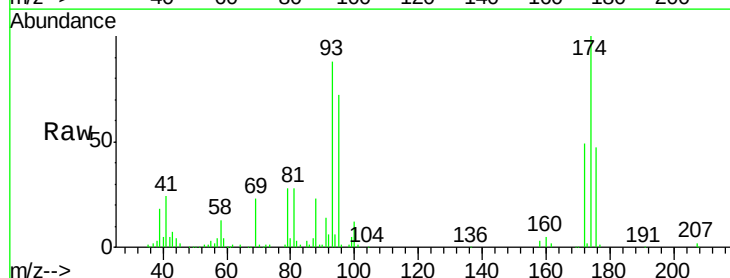
Manual Integrations
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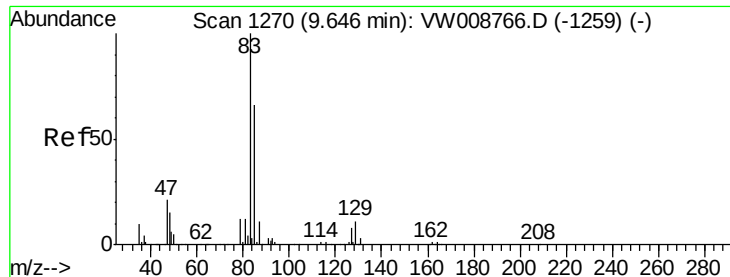
MMDadoda
 2/22/2019 12:25:10 PM



#46
 Dibromomethane
 Concen: 21.869 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.7	101.5
174	109.5	86.7	130.1





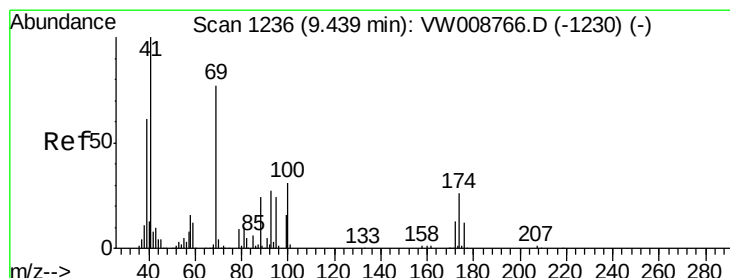
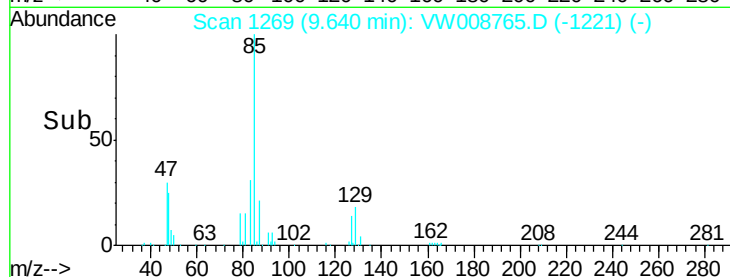
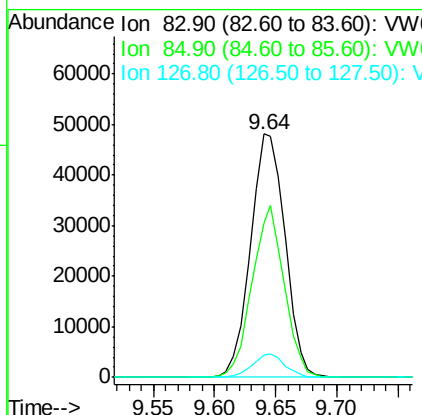
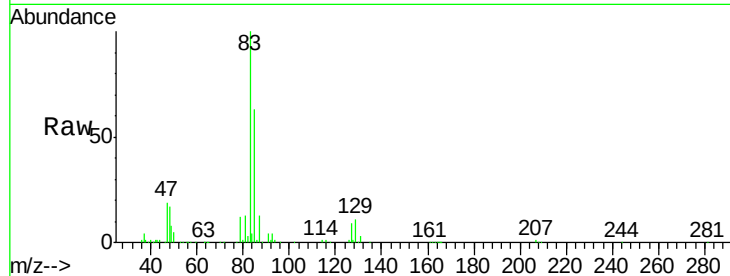
#47
Bromodichloromethane
Concen: 21.762 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	94529
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	52.5	78.7
127	9.0	6.7	10.1

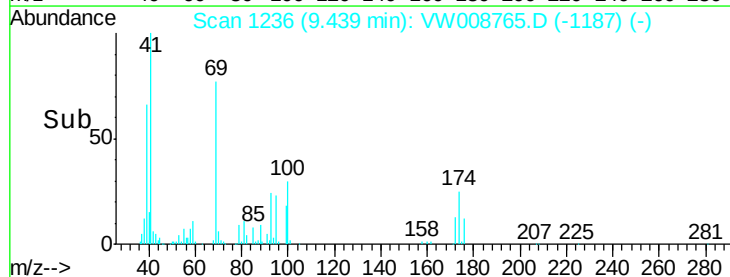
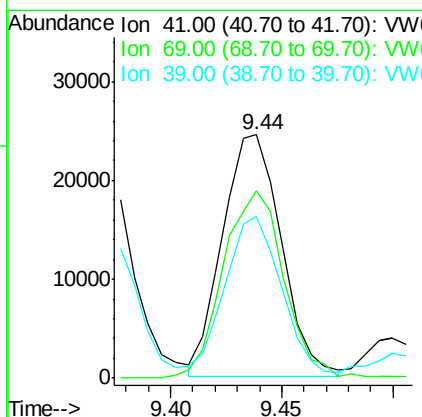
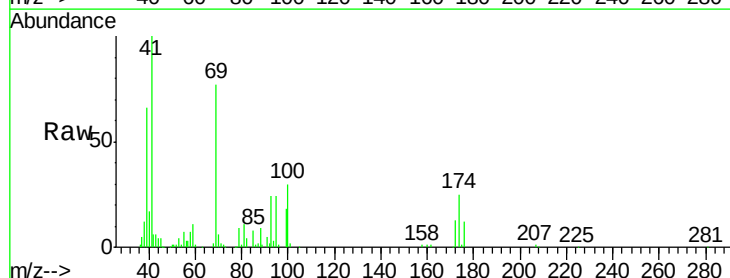
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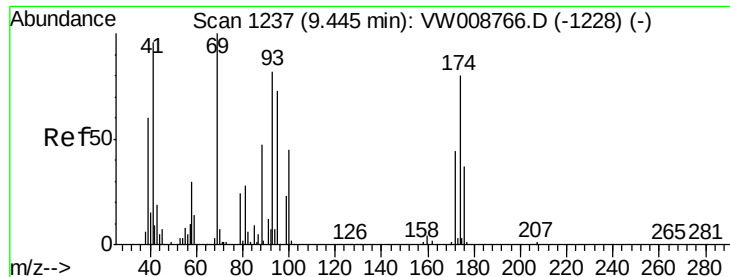
MMDadoda
2/22/2019 12:25:10 PM



#48
Methyl methacrylate
Concen: 21.227 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	41	Resp	44886
Ion Ratio	100	Lower	Upper
41	100		
69	80.3	63.6	95.4
39	60.2	52.1	78.1





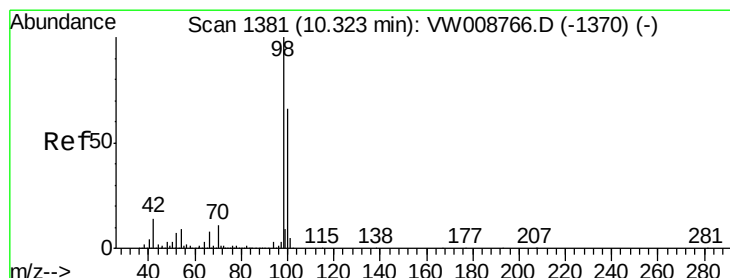
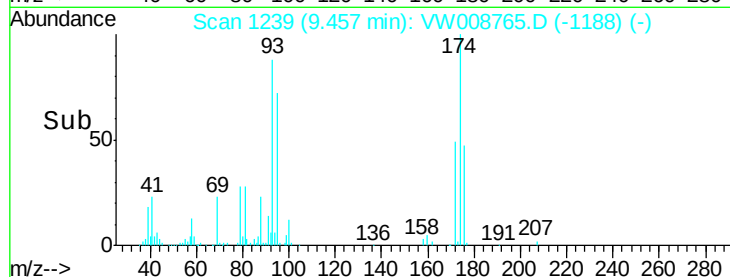
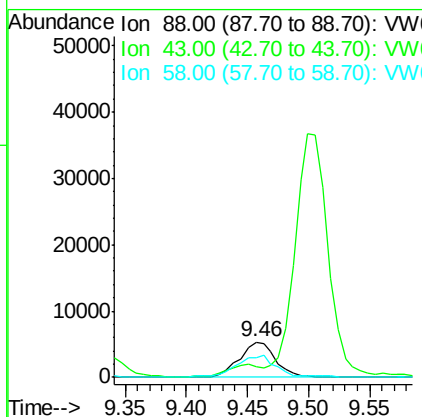
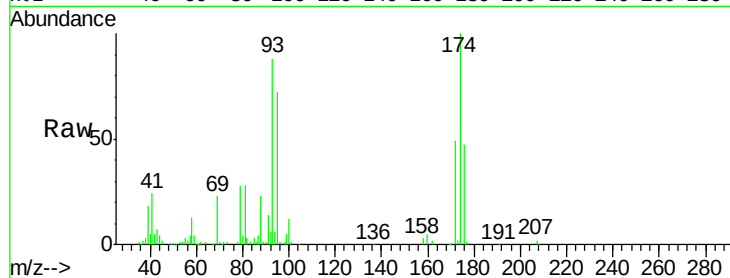
#49
1,4-Dioxane
Concen: 381.424 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.7	29.0	43.4	
58	72.0	52.0	78.0	

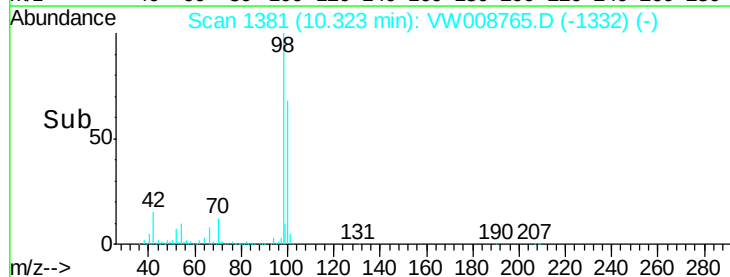
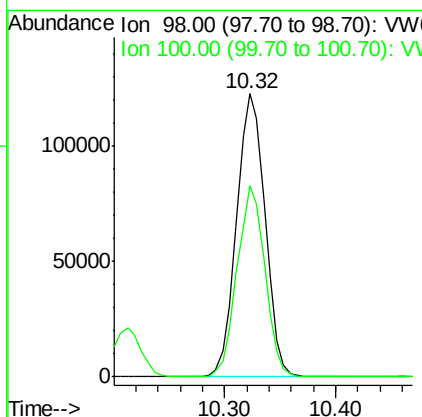
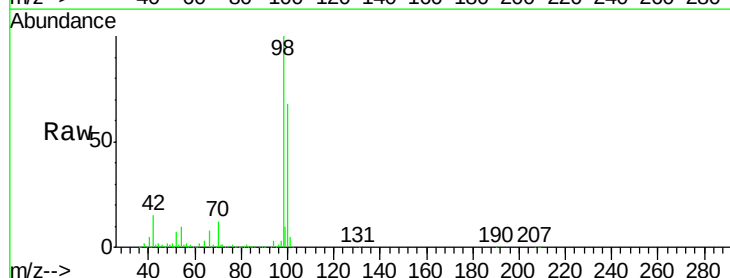
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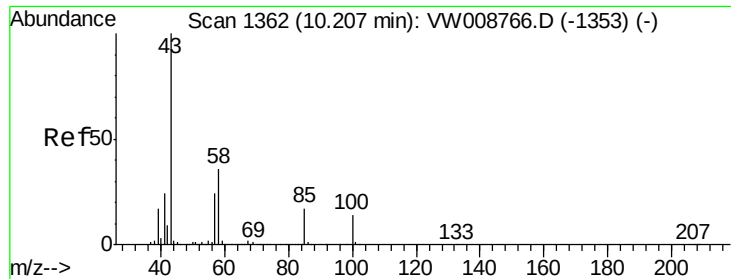
MMDadoda
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#50
Toluene-d8
Concen: 19.195 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.2	52.4	78.6	





#51

4-Methyl-2-Pentanone

Concen: 104.582 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 234424

Ion Ratio Lower Upper

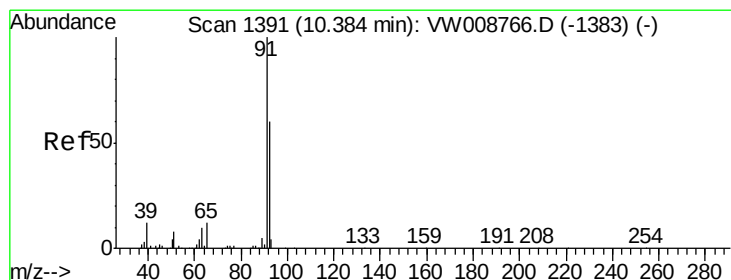
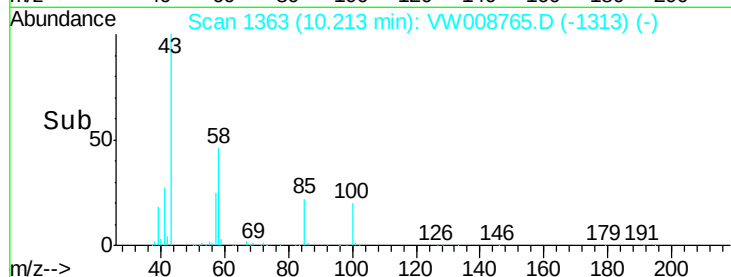
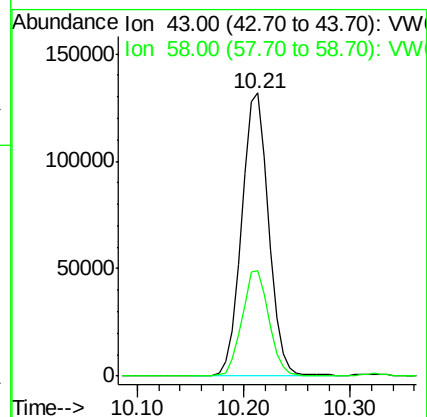
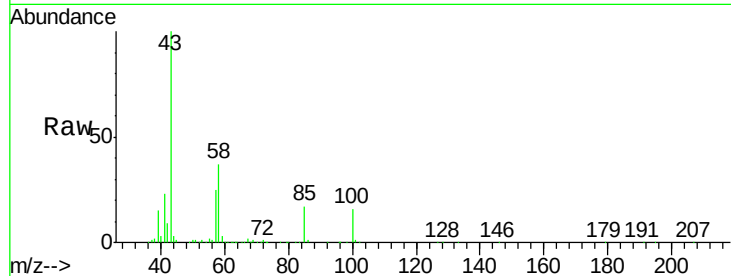
43 100

58 37.1 29.1 43.7

Manual Integrations
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#52

Toluene

Concen: 20.828 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008765.D

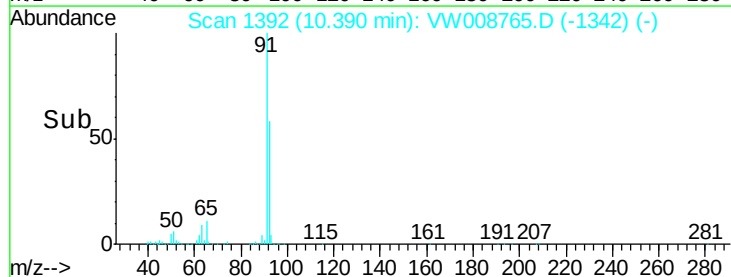
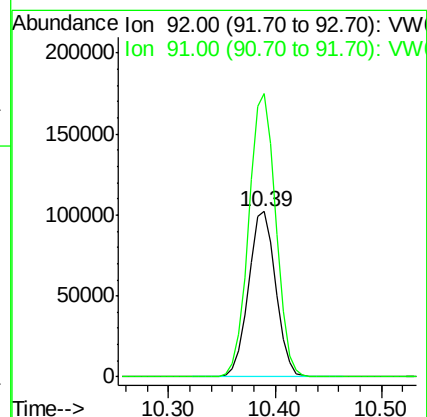
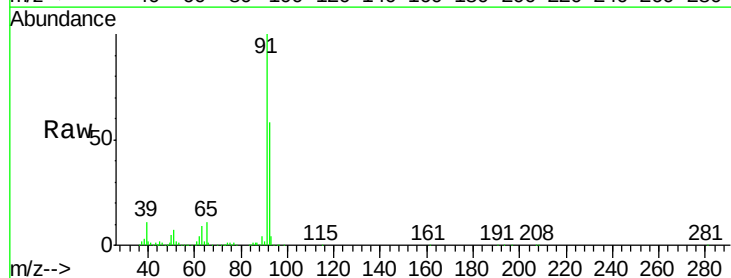
Acq: 21 Feb 2019 11:47

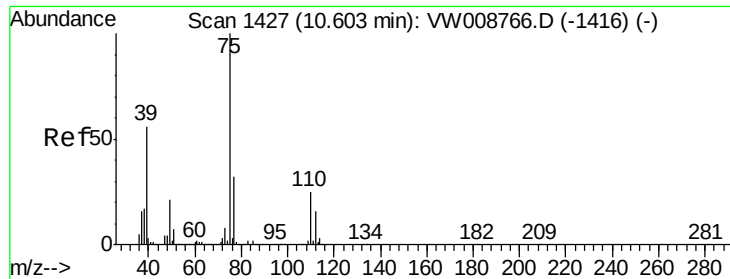
Tgt Ion: 92 Resp: 183596

Ion Ratio Lower Upper

92 100

91 170.4 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 21.919 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 97044

Ion Ratio Lower Upper

75 100

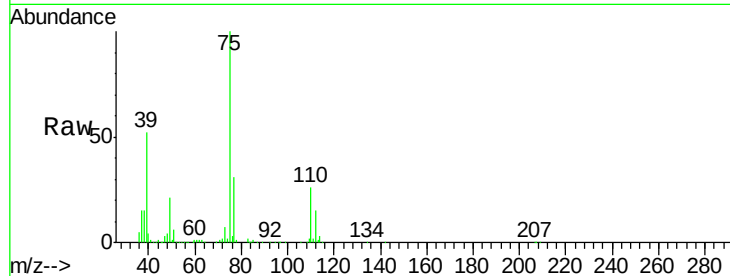
77 30.7 26.1 39.1

Manual Integrations

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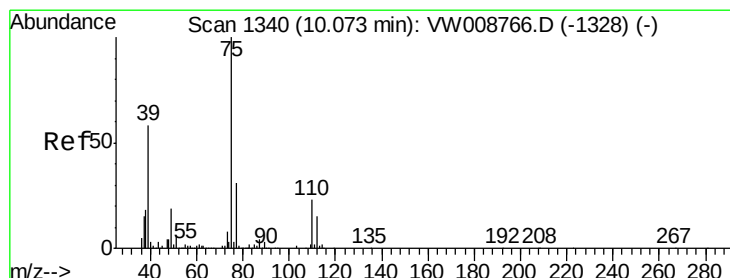
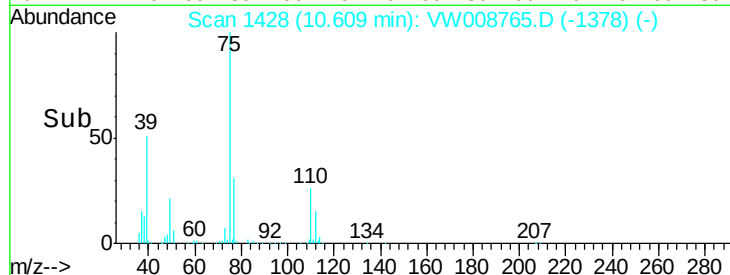
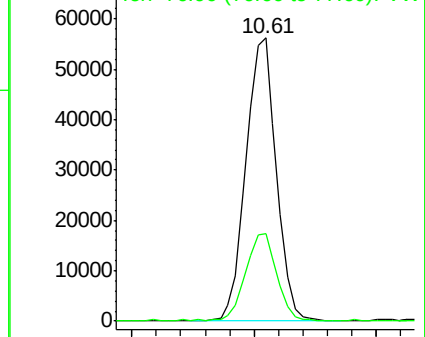
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 22.366 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

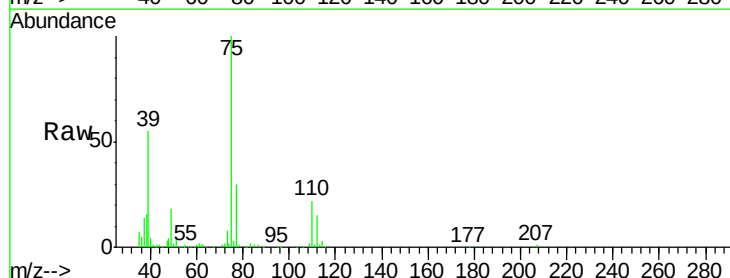
Tgt Ion: 75 Resp: 112938

Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4

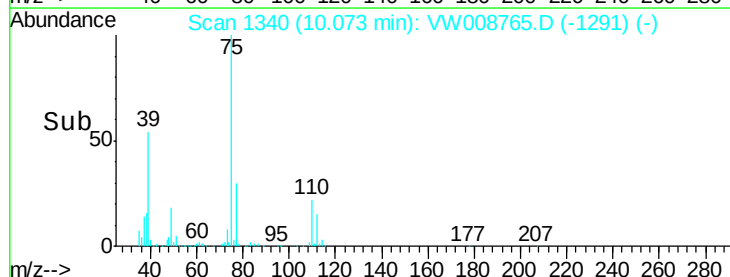
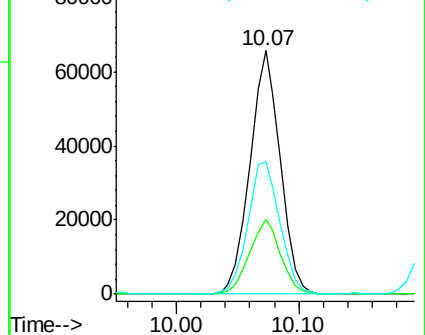
39 54.4 46.6 70.0

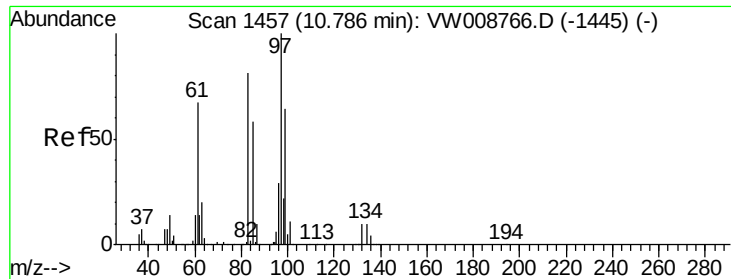


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





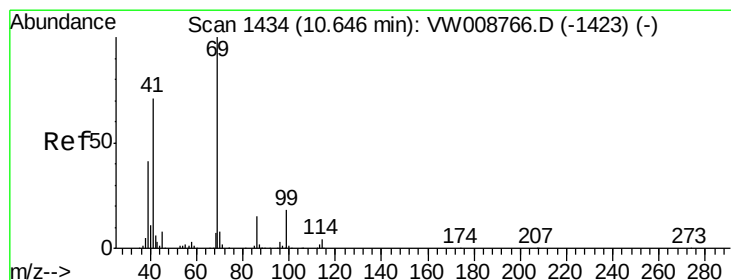
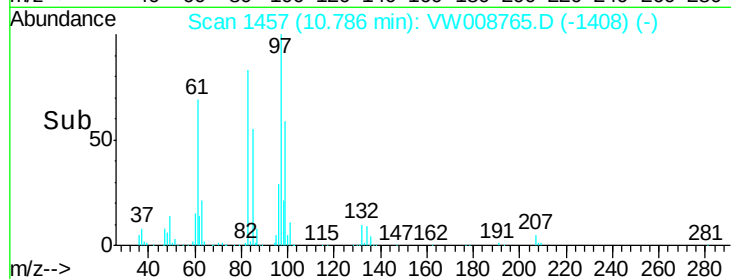
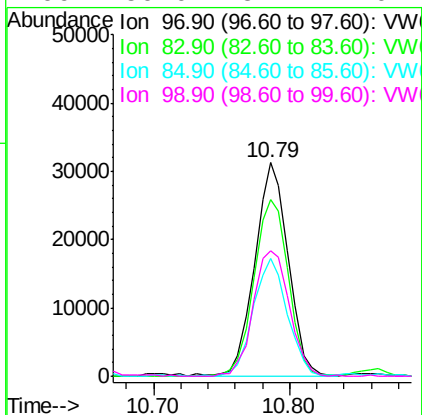
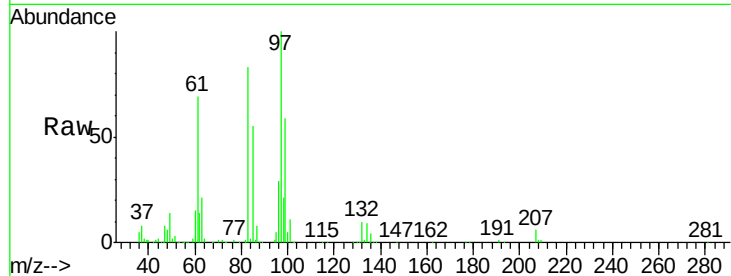
#55
 1,1,2-Trichloroethane
 Concen: 22.386 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	97	Resp	54201
Ion	Ratio	Lower	Upper
97	100		
83	82.7	65.0	97.6
85	54.9	46.0	69.0
99	59.0	51.1	76.7

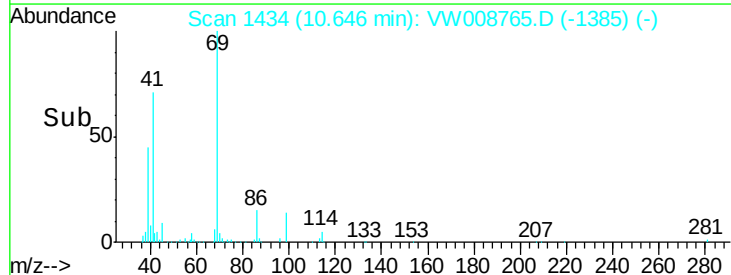
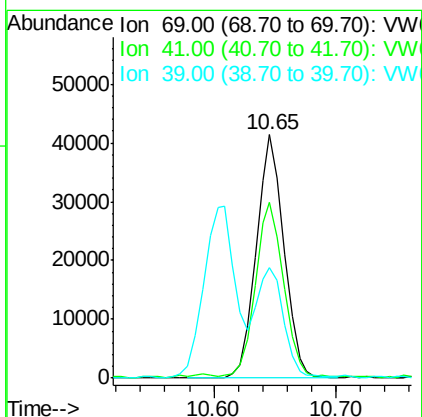
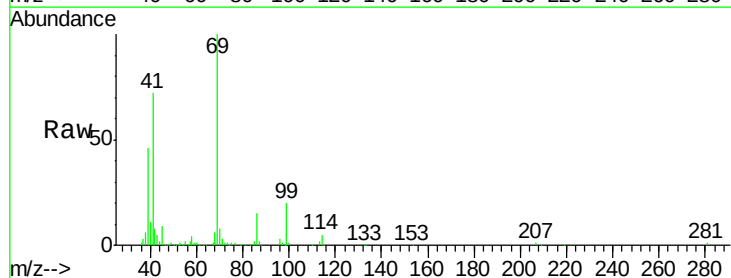
Manual Integrations
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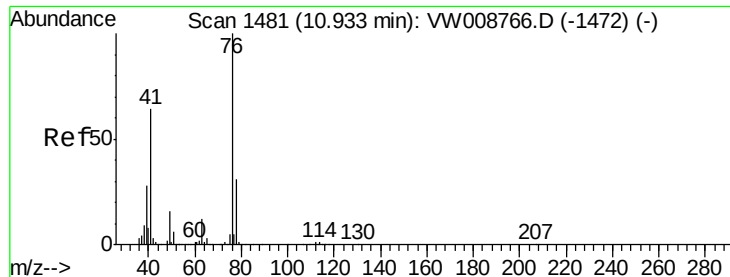
MMDadoda
 2/22/2019 12:25:10 PM



#56
 Ethyl methacrylate
 Concen: 20.804 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	69	Resp	65443
Ion	Ratio	Lower	Upper
69	100		
41	73.3	57.4	86.0
39	43.1	34.8	52.2





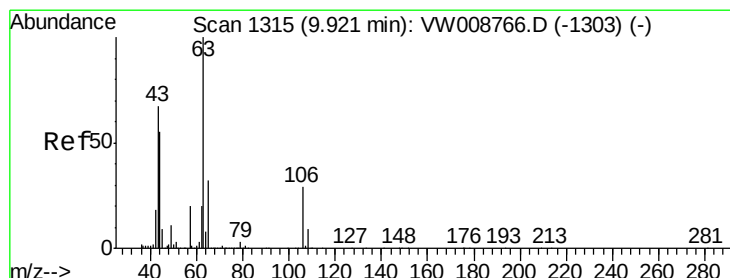
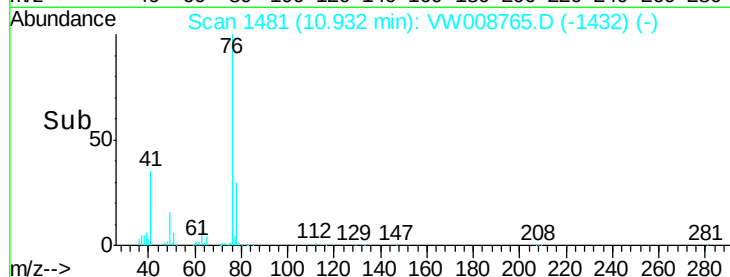
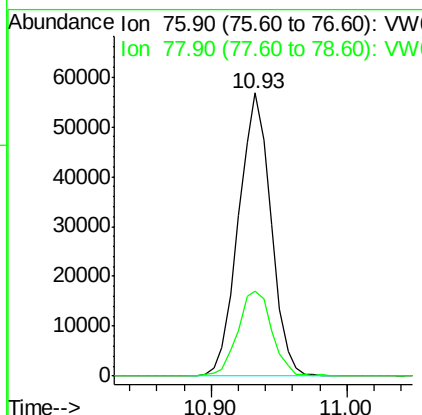
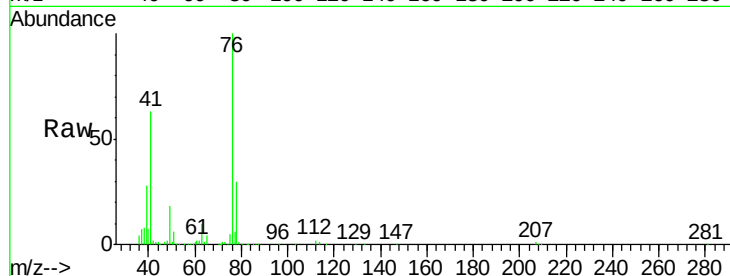
#57
 1,3-Dichloropropane
 Concen: 22.083 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 94400
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

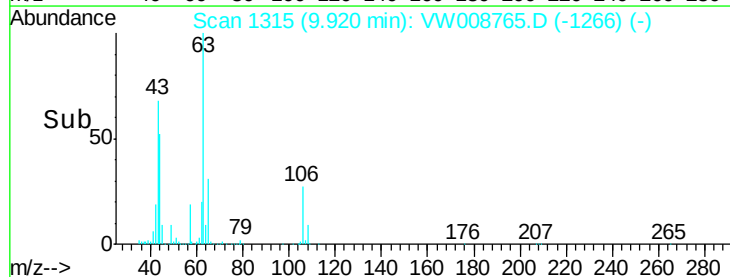
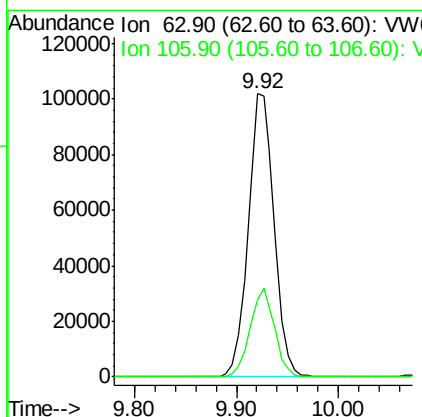
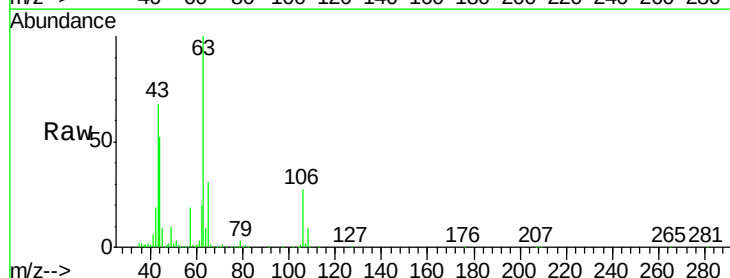
Manual Integrations
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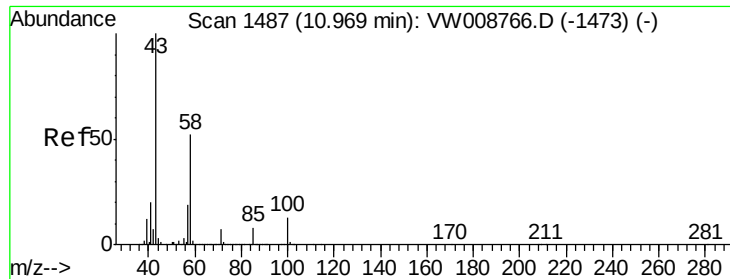
MMDadoda
 2/22/2019 12:25:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.409 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion: 63 Resp: 179421
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.0 36.0





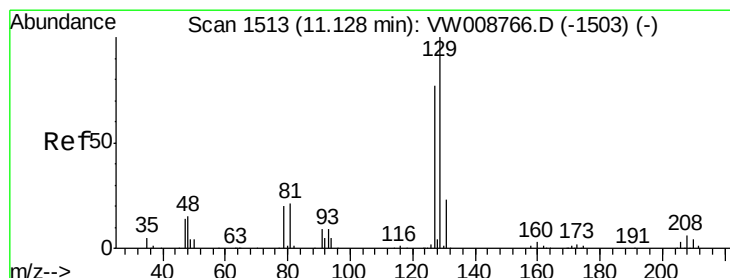
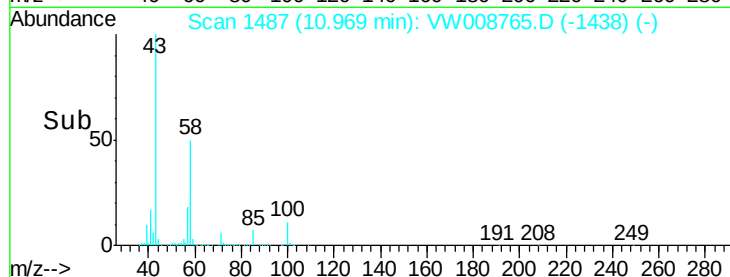
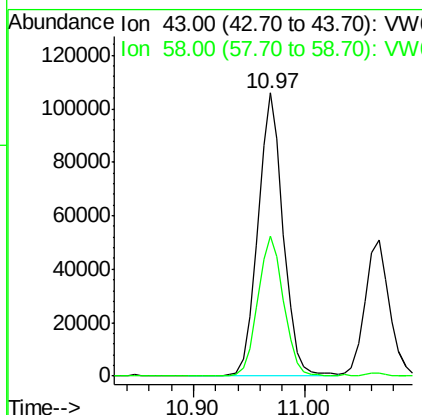
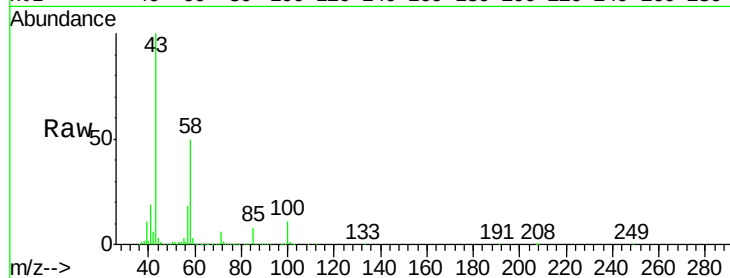
#59
2-Hexanone
Concen: 104.519 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 166772
Ion Ratio Lower Upper
43 100
58 50.8 25.3 75.8

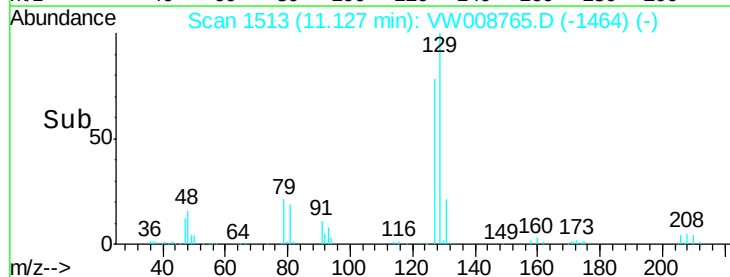
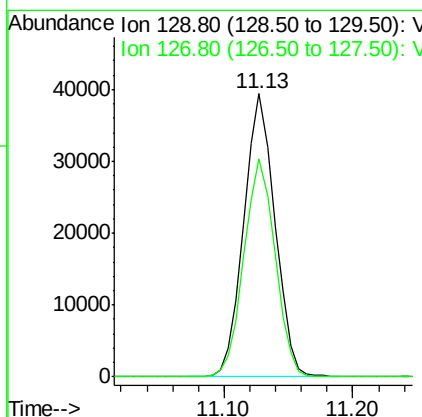
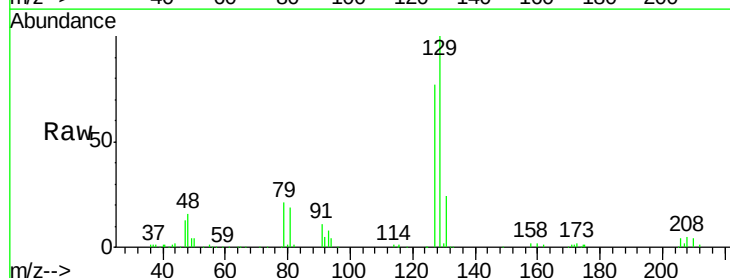
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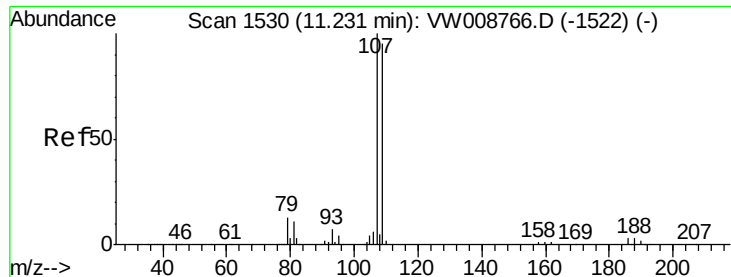
MMDadoda
2/22/2019 12:25:10 PM



#60
Dibromochloromethane
Concen: 22.278 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion: 129 Resp: 65792
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 21.894 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 52471

Ion Ratio Lower Upper

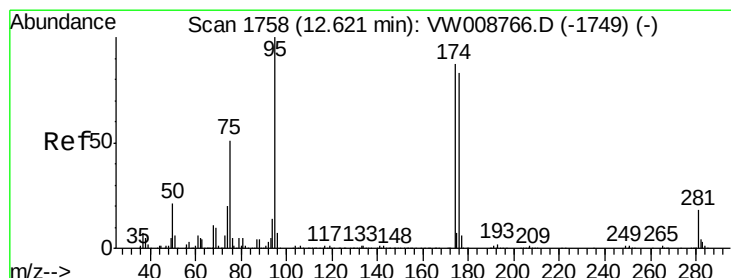
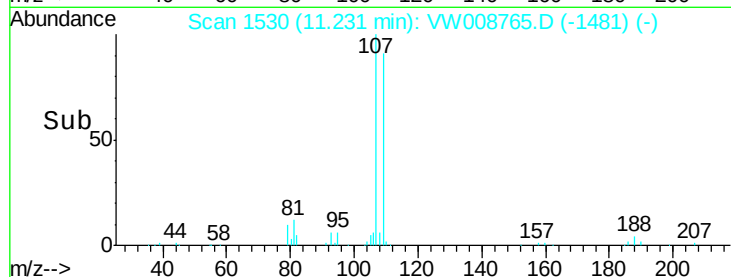
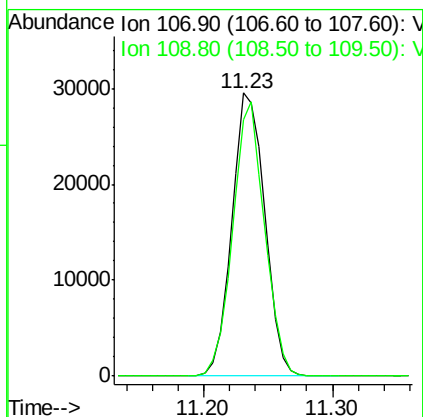
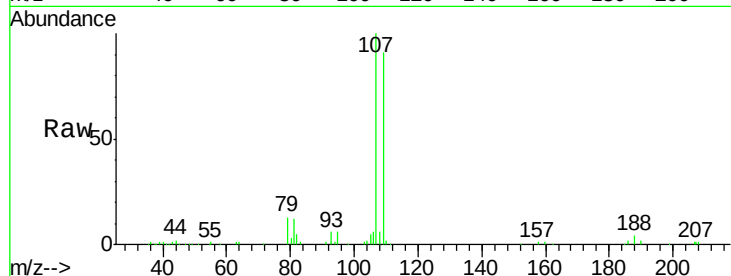
107 100

109 93.3 75.6 113.4

Manual Integrations
APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 19.609 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

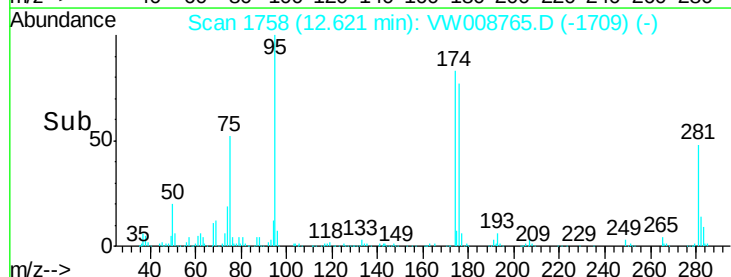
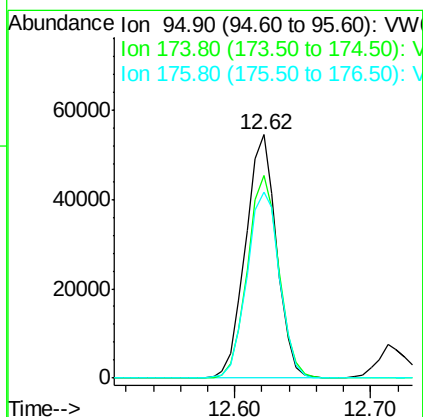
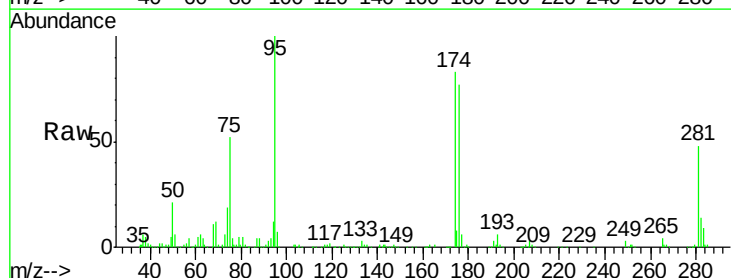
Tgt Ion: 95 Resp: 86964

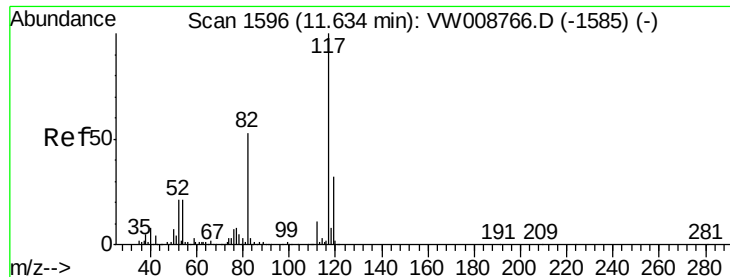
Ion Ratio Lower Upper

95 100

174 84.1 0.0 169.2

176 80.5 0.0 163.6





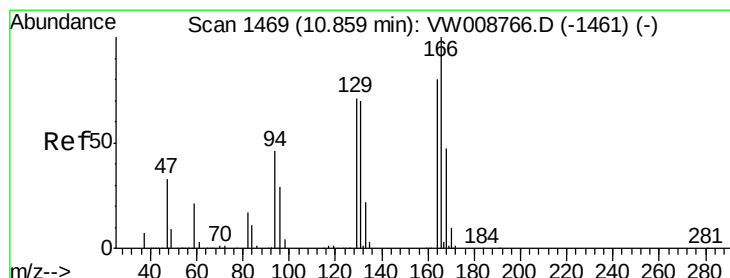
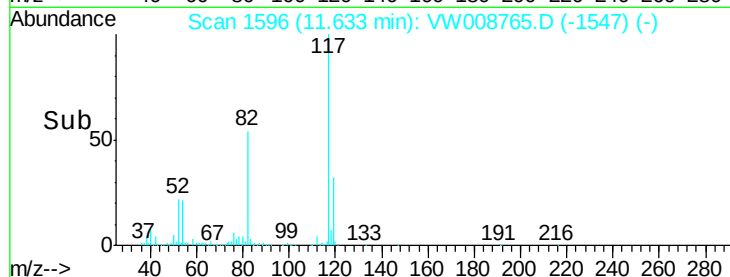
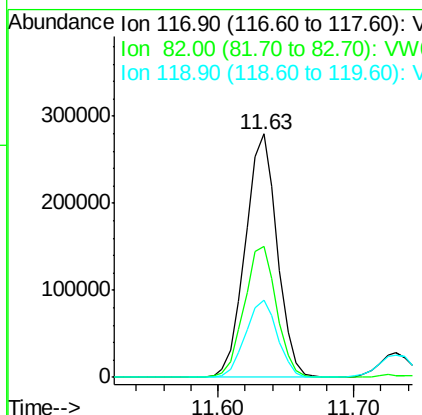
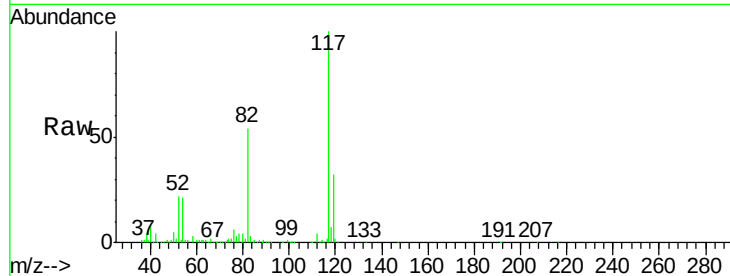
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	32.0	25.9	38.9

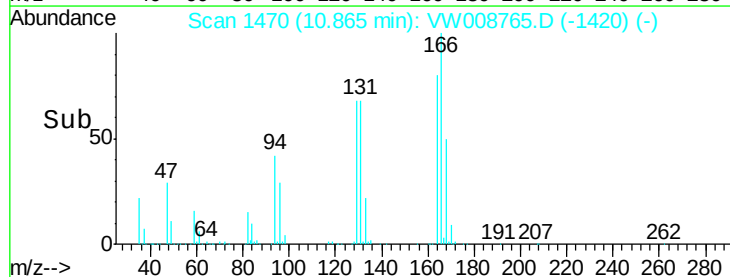
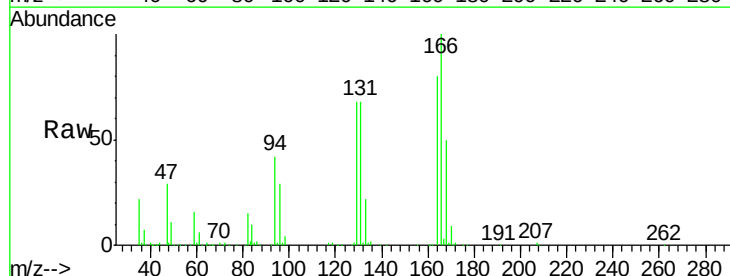
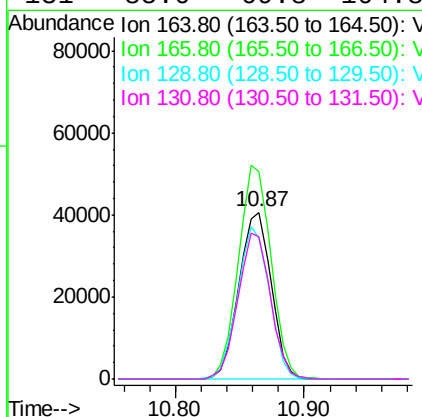
Manual Integrations
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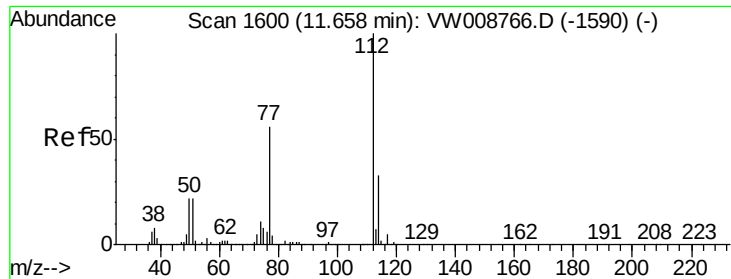
MMDadoda
2/22/2019 12:25:10 PM



#64
Tetrachloroethene
Concen: 21.530 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	99.5	149.3
129	84.7	71.1	106.7
131	85.0	69.8	104.8





#65

Chlorobenzene

Concen: 21.367 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 206125

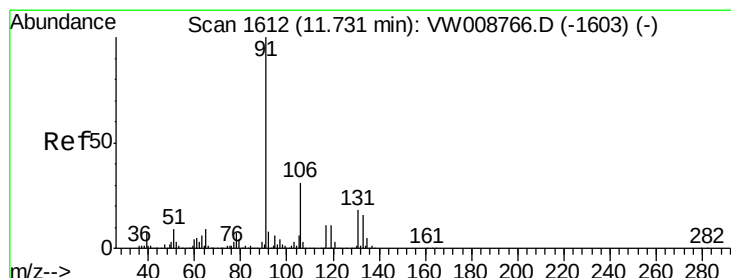
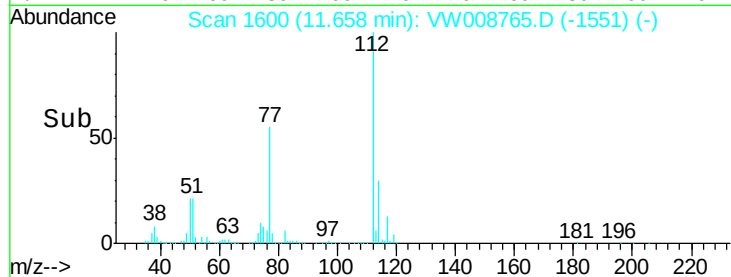
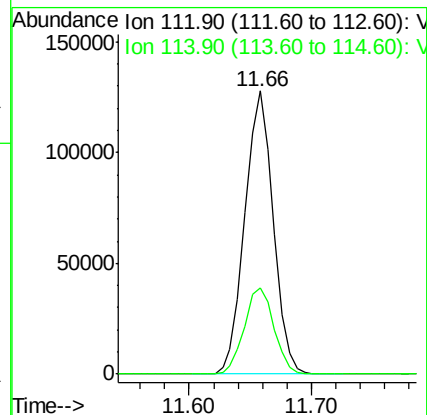
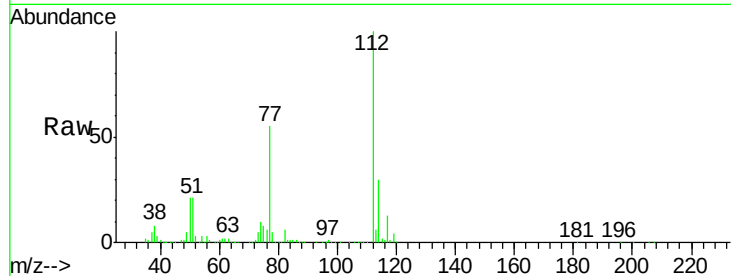
Ion Ratio Lower Upper

112 100

114 30.3 26.6 40.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.742 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

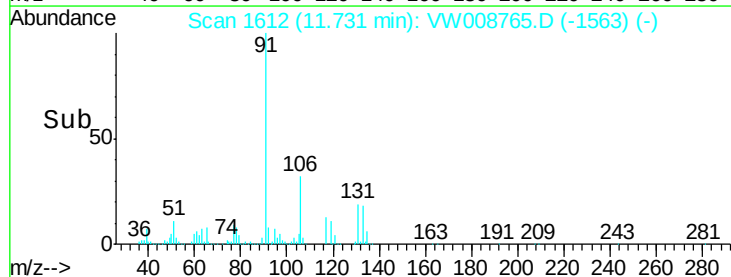
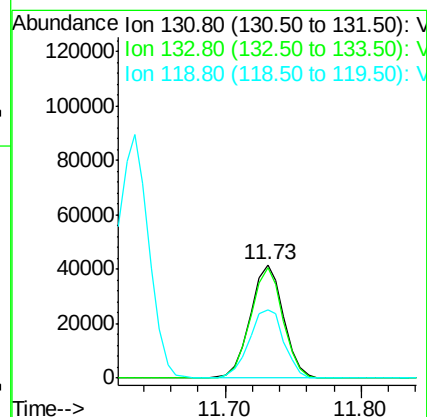
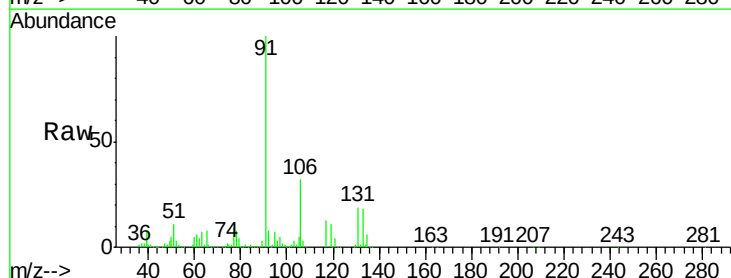
Tgt Ion:131 Resp: 70919

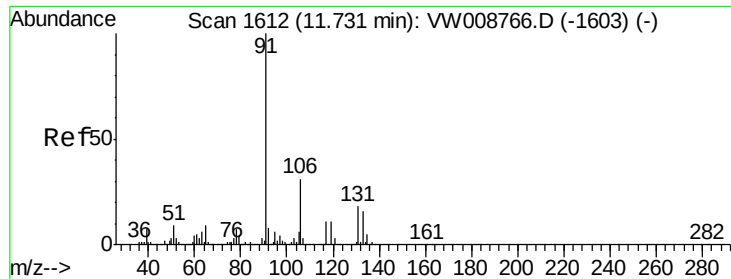
Ion Ratio Lower Upper

131 100

133 95.5 46.7 140.0

119 63.9 30.8 92.4





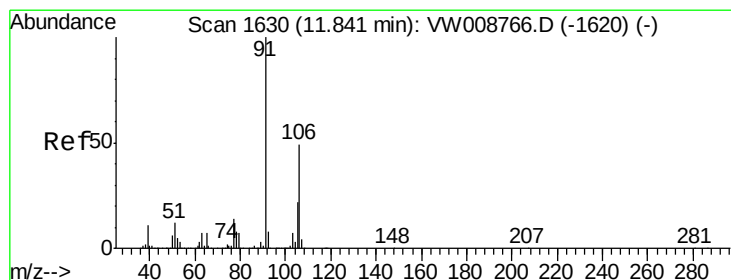
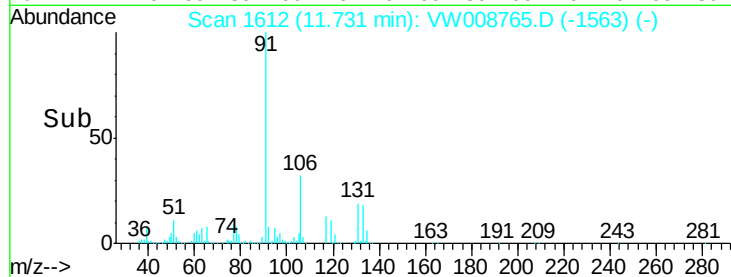
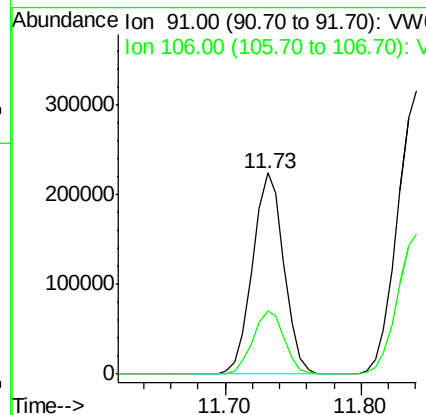
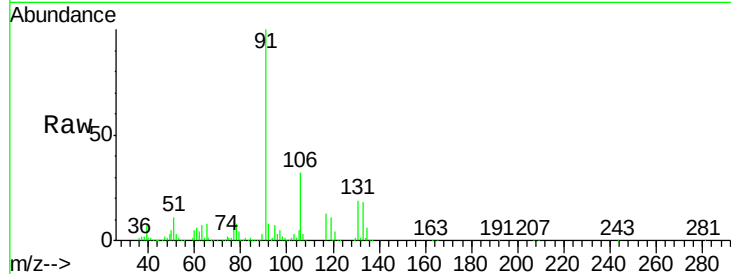
#67
Ethyl Benzene
Concen: 20.996 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.0	37.6

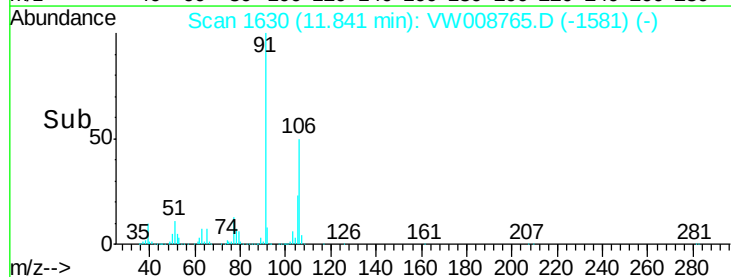
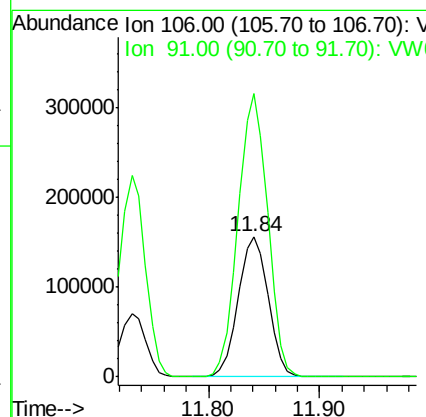
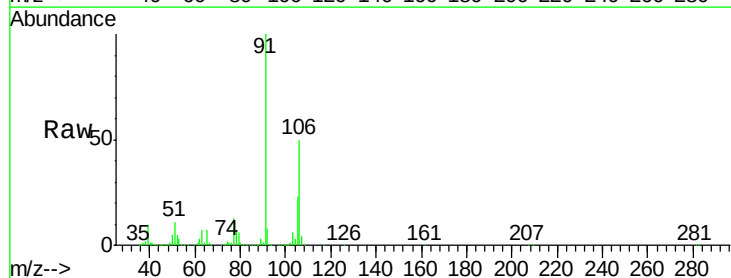
Manual Integrations
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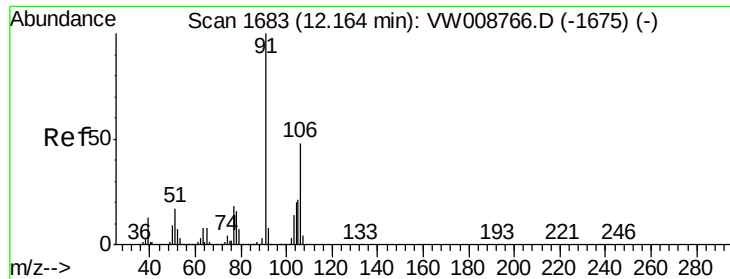
MMDadoda
2/22/2019 12:25:10 PM



#68
m/p-Xylenes
Concen: 42.126 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.3	161.5	242.3





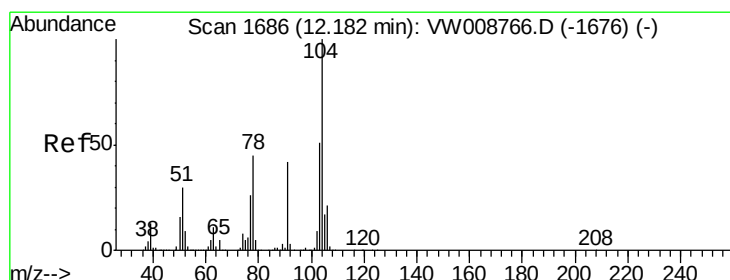
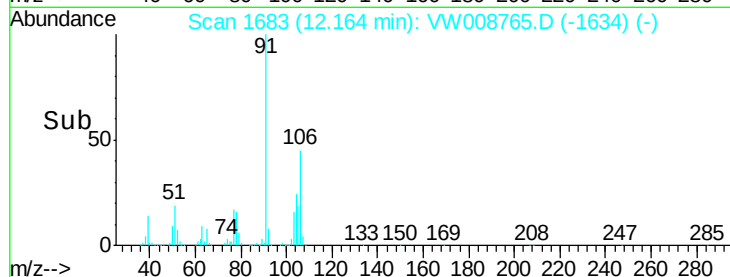
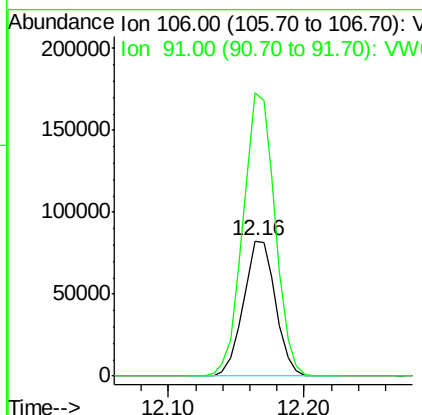
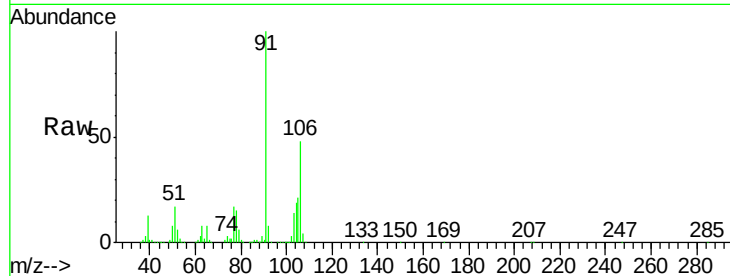
#69
o-Xylene
Concen: 21.015 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	135909		
91	209.9	106.2	318.6		

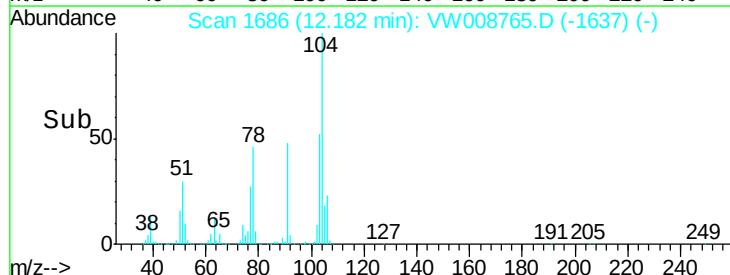
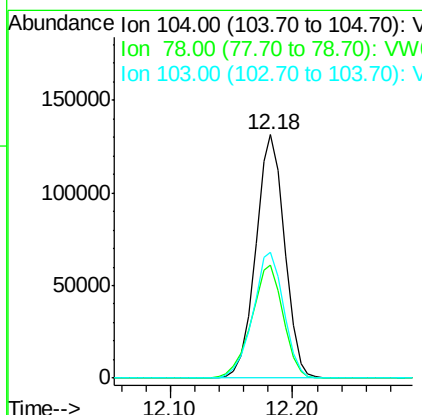
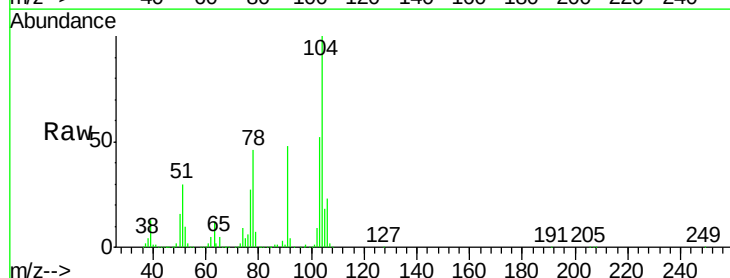
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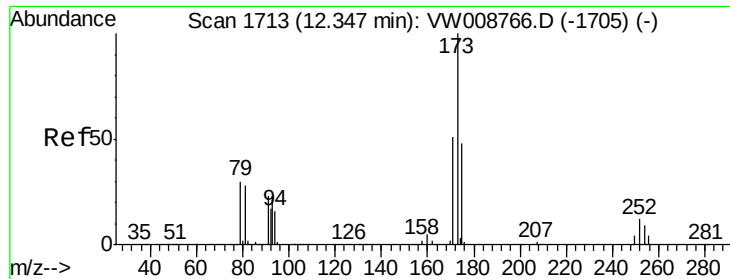
MMDadoda
2/22/2019 12:25:10 PM



#70
Styrene
Concen: 20.762 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	216019		
78	50.8	40.8	61.2		
103	55.6	44.2	66.2		





#71

Bromoform

Concen: 21.554 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

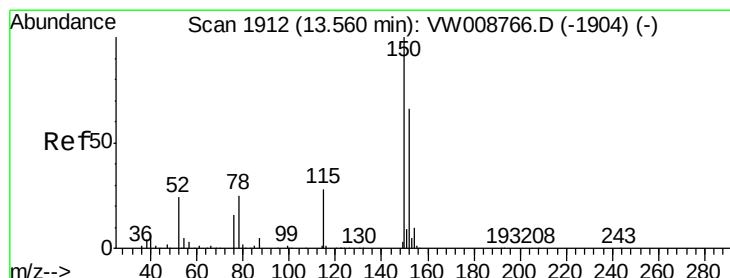
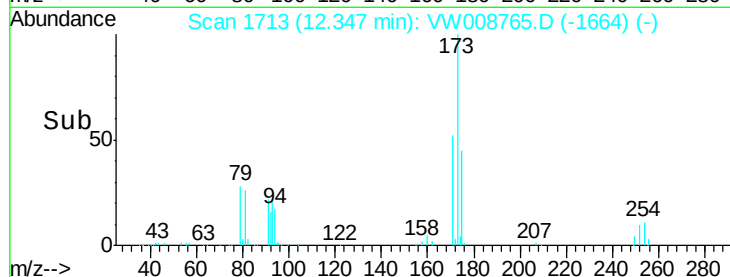
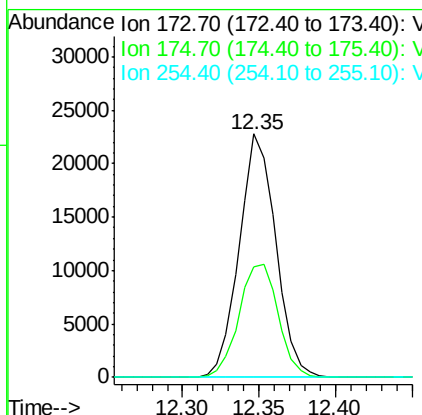
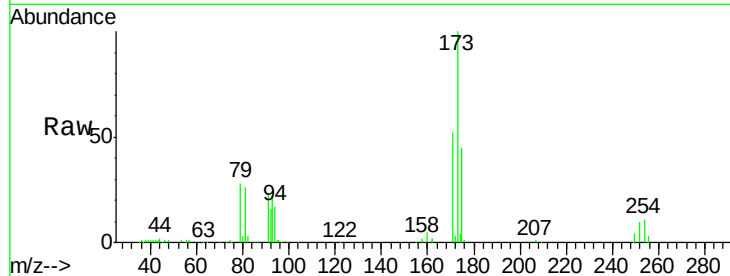
ClientSampleId :

VSTDIC020

Tot Ion:	173	Resp:	37791
Ion Ratio	Lower	Upper	
173	100		
175	49.7	24.2	72.6
254	0.1	0.2	0.4#

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2/22/2019 12:25:10 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

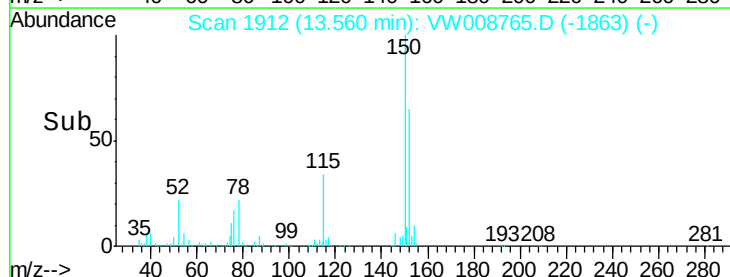
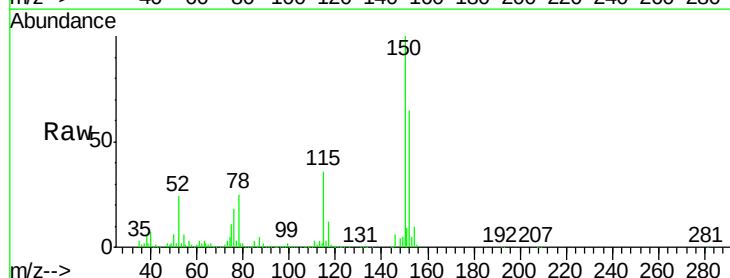
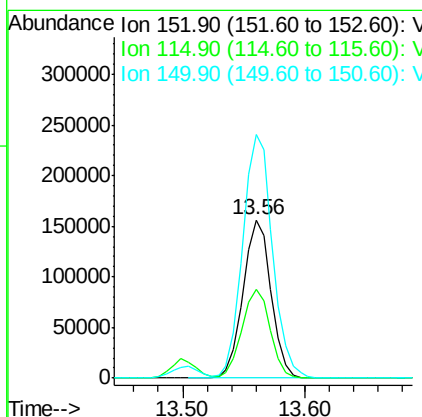
RT: 13.56 min Scan# 1912

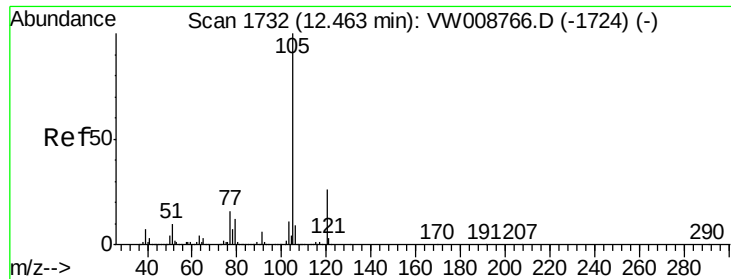
Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Tgt Ion:	152	Resp:	247576
Ion Ratio	Lower	Upper	
152	100		
115	56.6	28.6	85.8
150	164.2	0.0	348.0





#73

Isopropylbenzene

Concen: 21.598 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 366574

Ion Ratio Lower Upper

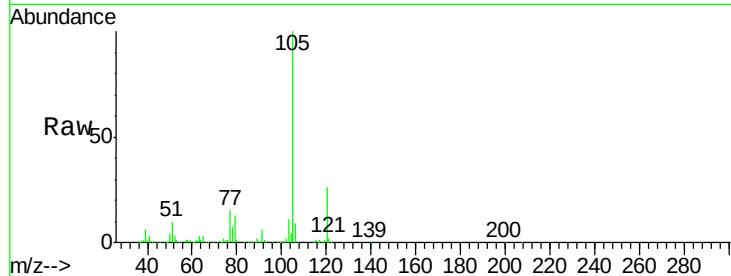
105 100

120 26.8 13.3 39.9

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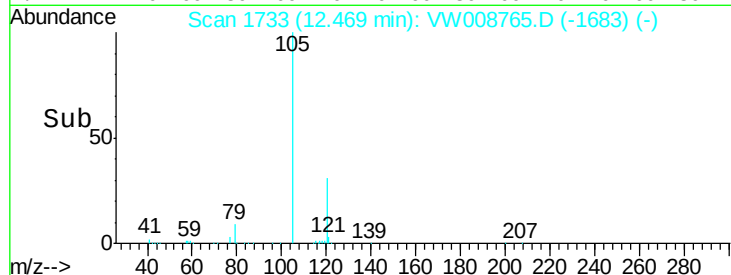
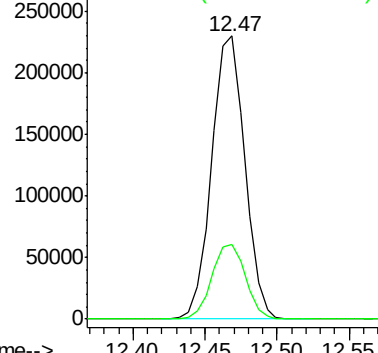
MMDadoda

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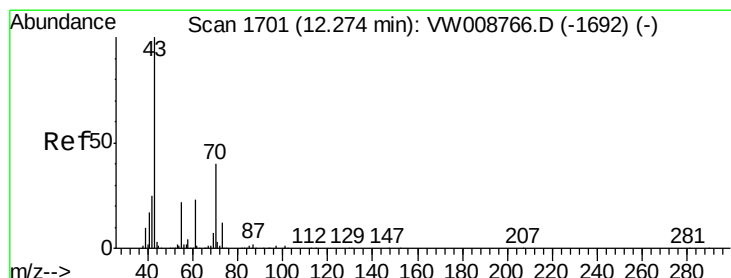


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 20.295 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Tgt Ion: 43 Resp: 86766

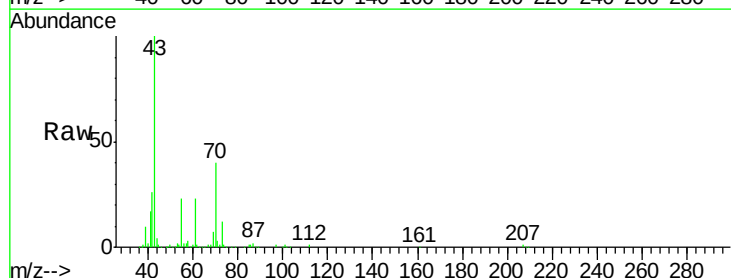
Ion Ratio Lower Upper

43 100

70 41.4 31.0 46.6

55 22.5 18.7 28.1

61 22.6 18.1 27.1

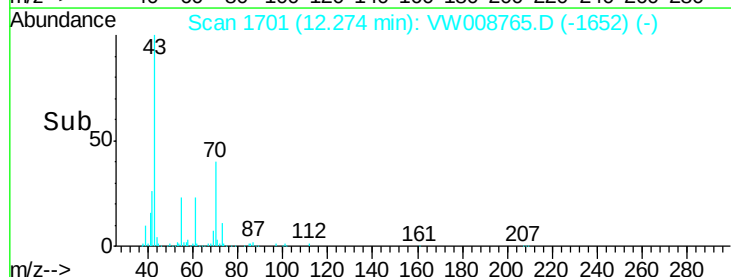
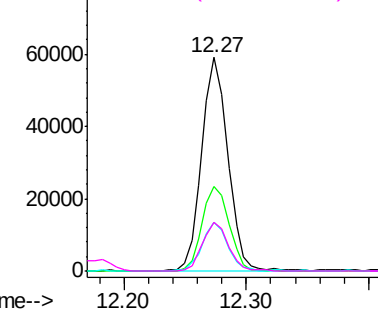


Abundance Ion 43.00 (42.70 to 43.70): VW

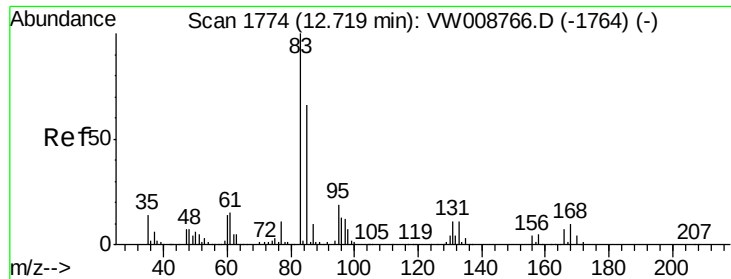
Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 22.678 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

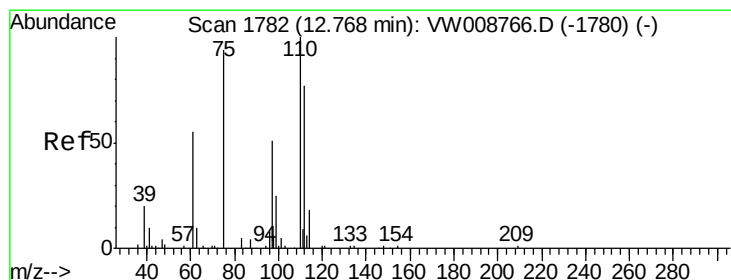
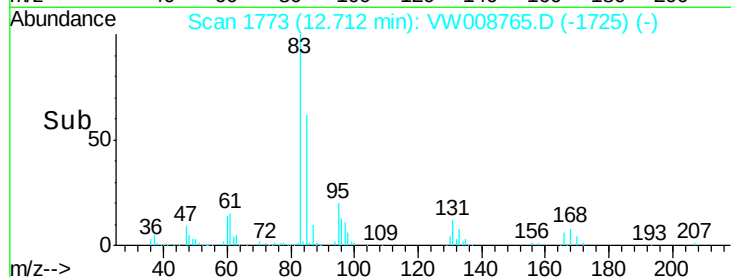
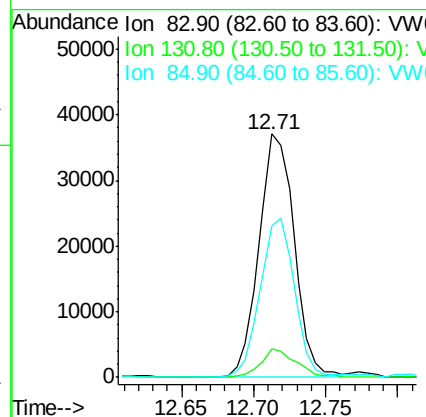
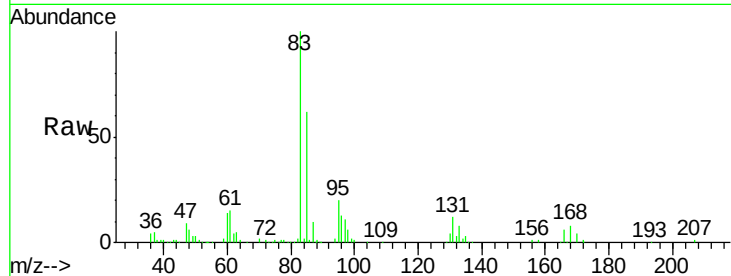
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	62891
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.7
85	63.5	33.0	98.9

Manual Integrations
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2/22/2019 12:25:10 PM



#76

1,2,3-Trichloropropane

Concen: 21.558 ug/l m

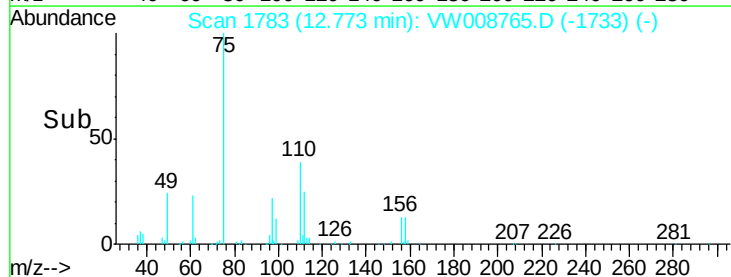
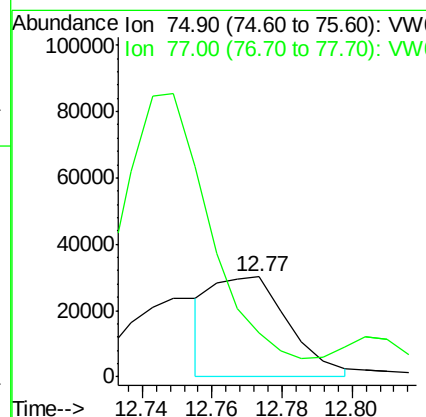
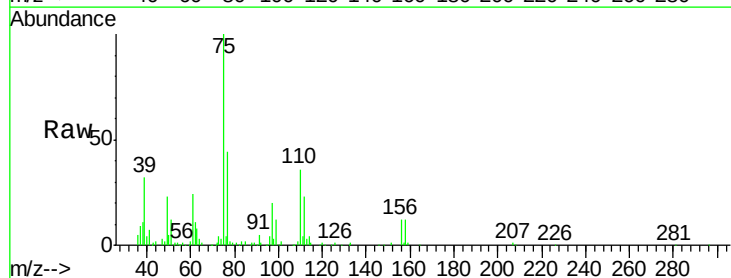
RT: 12.77 min Scan# 1783

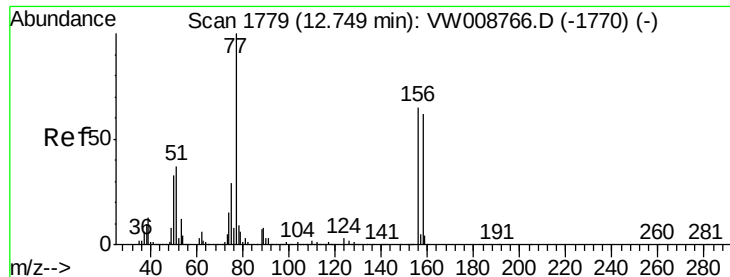
Delta R.T. 0.01 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Tgt Ion:	75	Resp:	46177
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





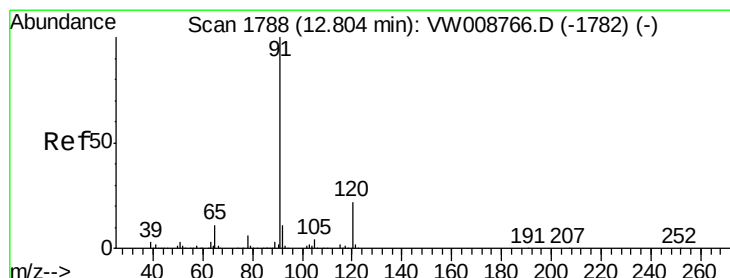
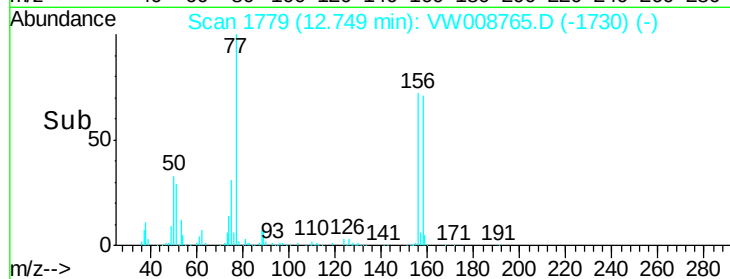
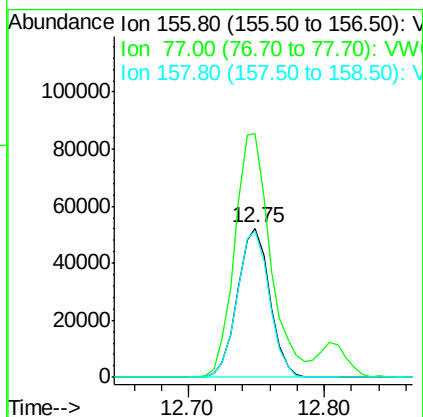
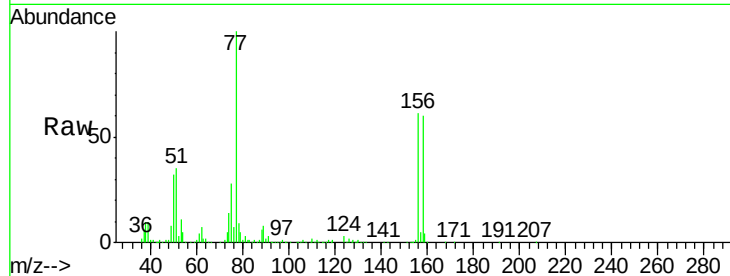
#77
Bromobenzene
Concen: 21.597 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.6	89.1	267.4
158	98.2	49.2	147.6

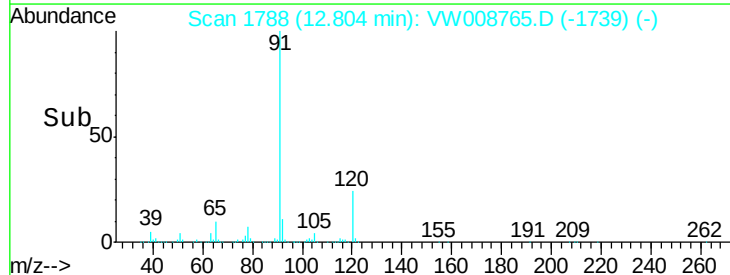
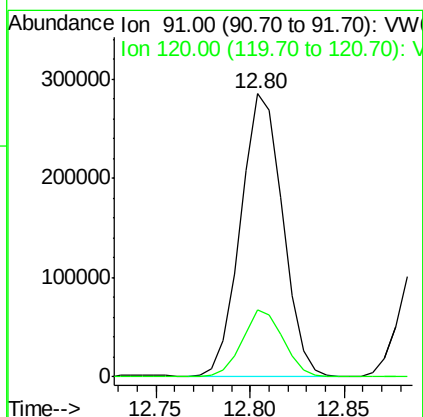
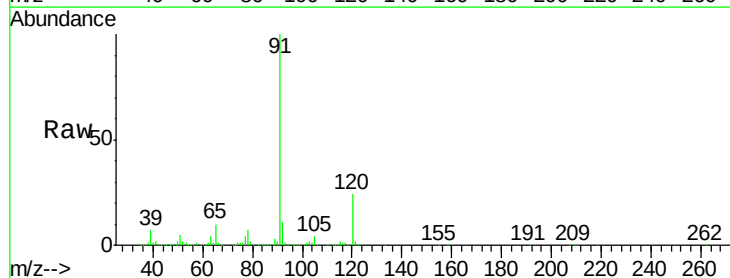
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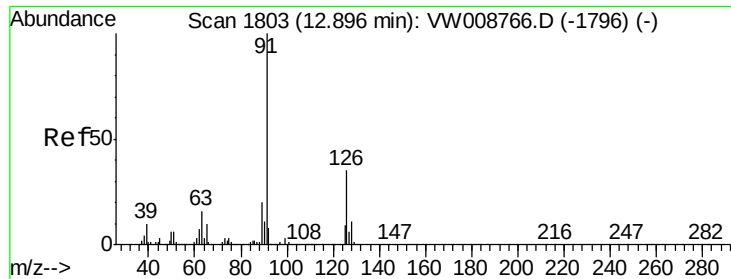
MMDadoda
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#78
n-propylbenzene
Concen: 21.236 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.4





#79

2-Chlorotoluene

Concen: 21.554 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 254065

Ion Ratio Lower Upper

91 100

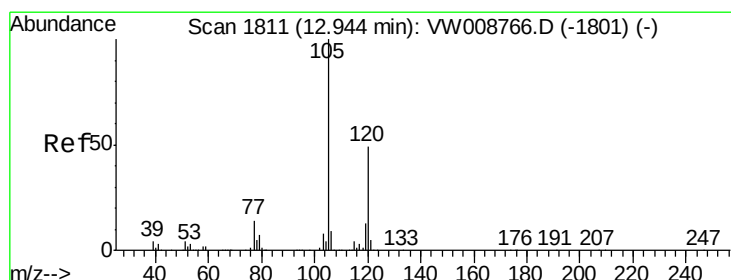
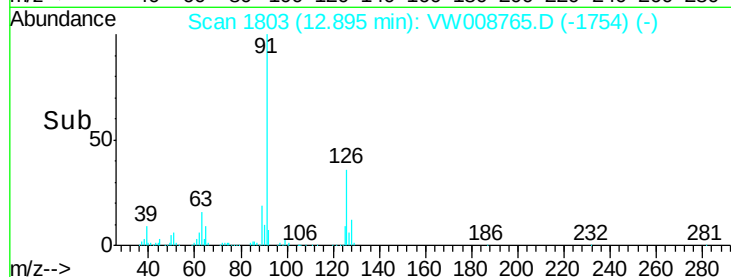
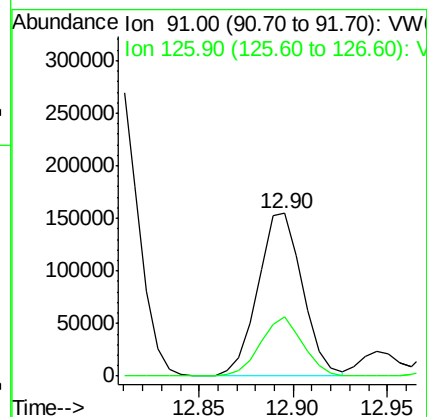
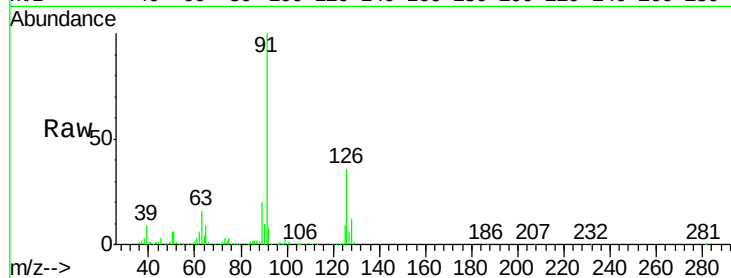
126 34.7 17.0 51.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.234 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008765.D

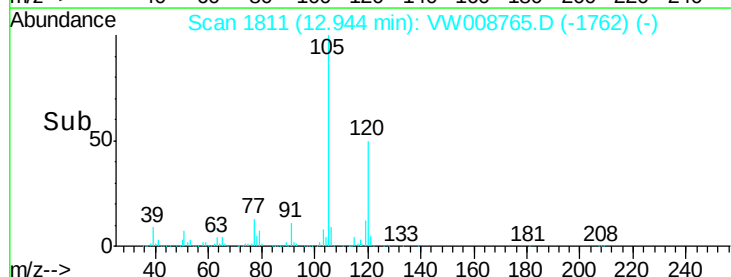
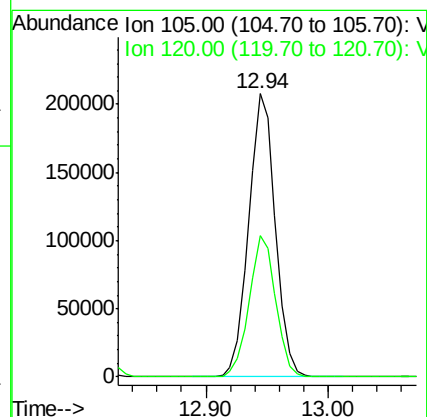
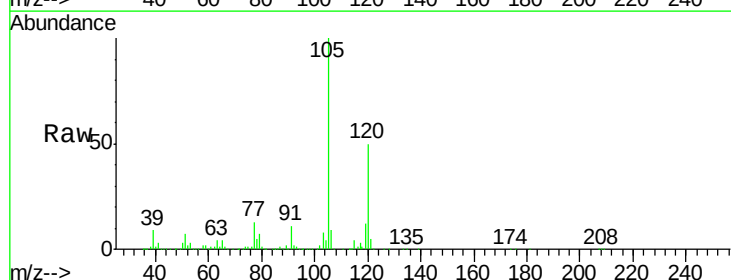
Acq: 21 Feb 2019 11:47

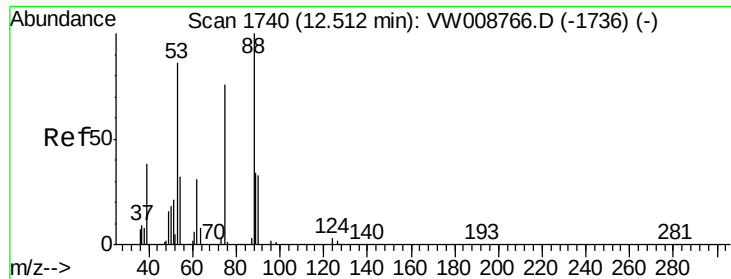
Tgt Ion:105 Resp: 313183

Ion Ratio Lower Upper

105 100

120 49.9 24.8 74.4





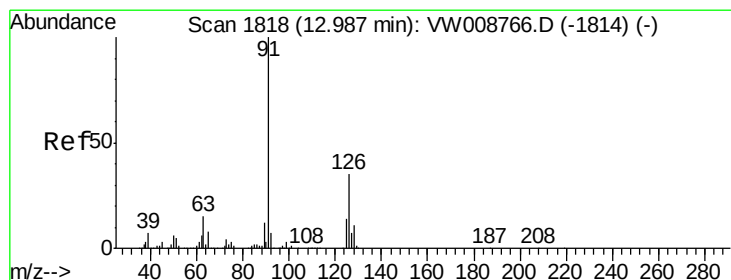
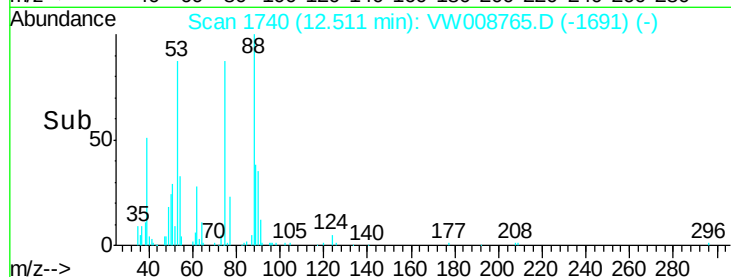
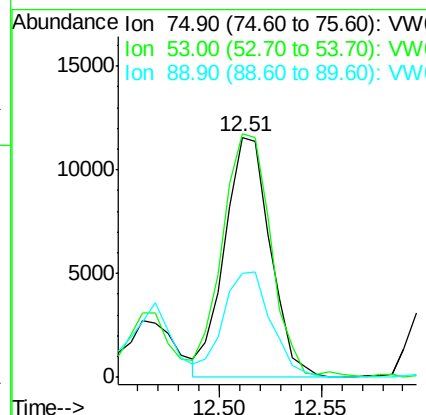
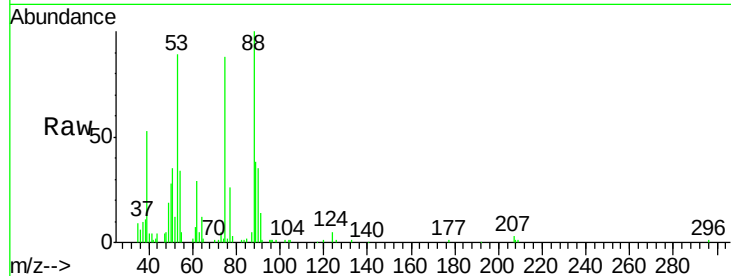
#81
trans-1,4-Dichloro-2-butene
Concen: 21.396 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.9	88.2	132.2
89	46.1	39.5	59.3

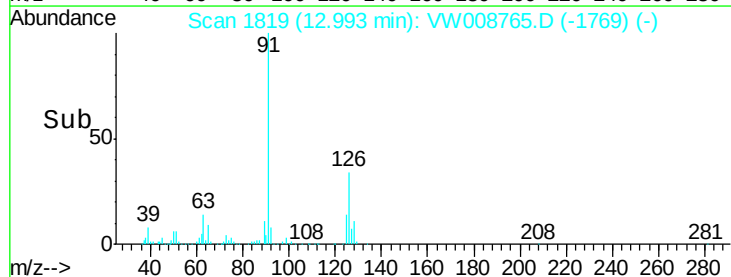
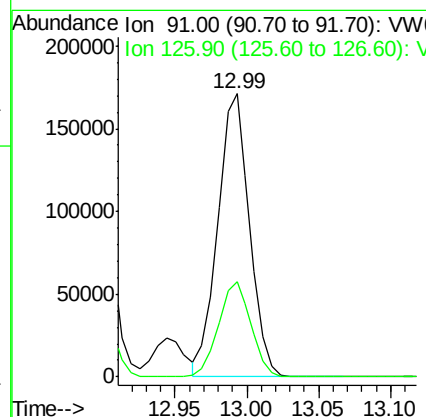
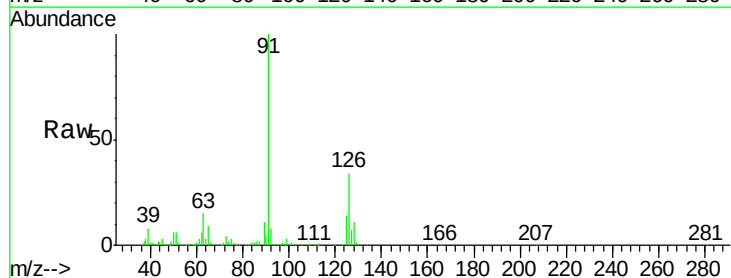
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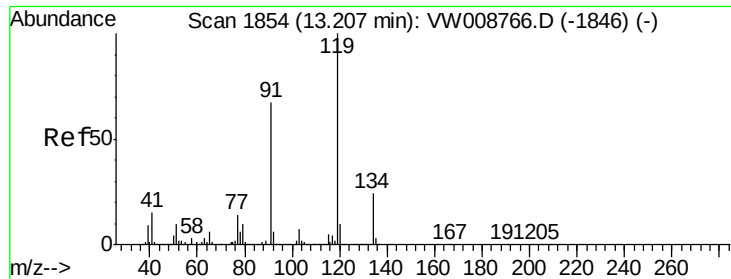
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.199 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





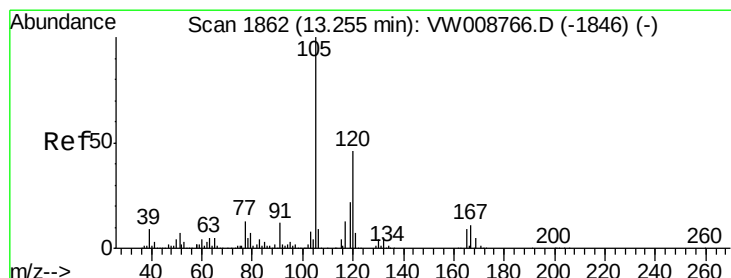
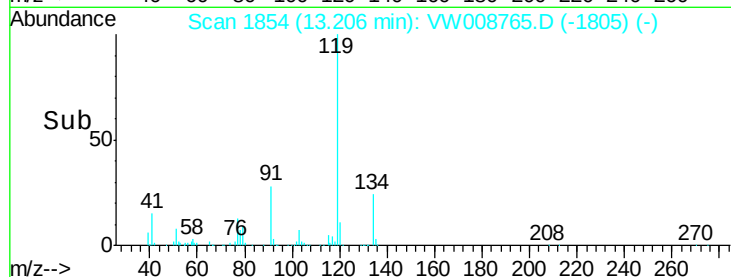
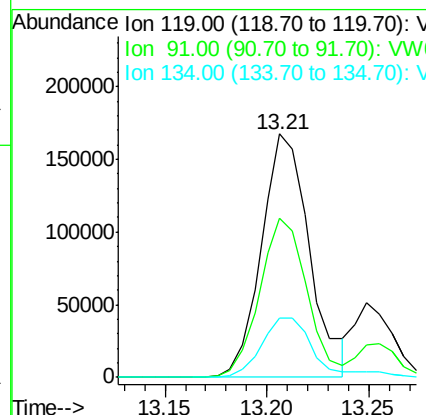
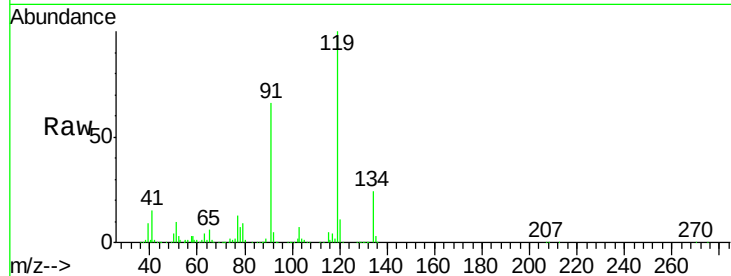
#83
 tert-Butylbenzene
 Concen: 21.610 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	33.6	100.8
134	26.9	13.7	41.1

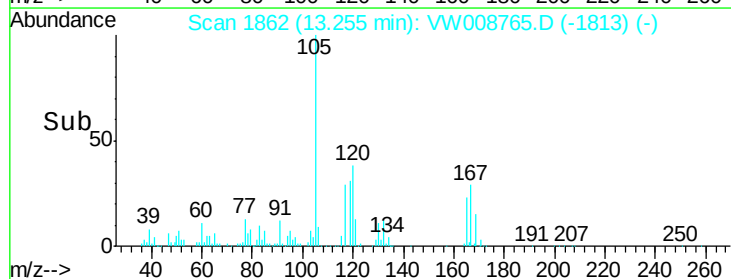
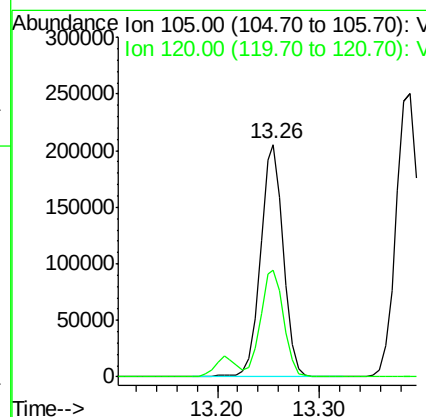
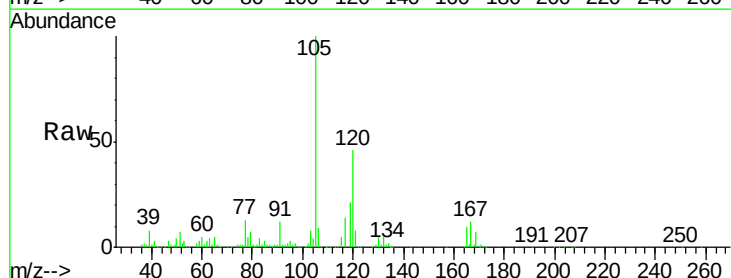
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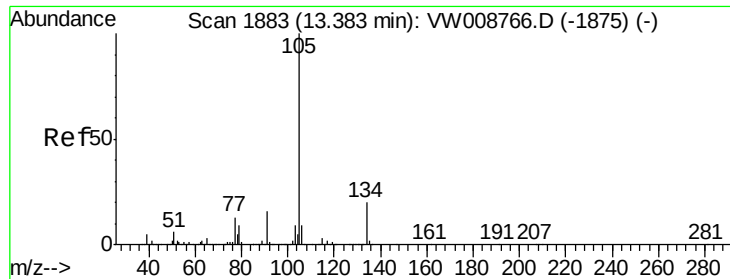
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.953 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.8	68.4





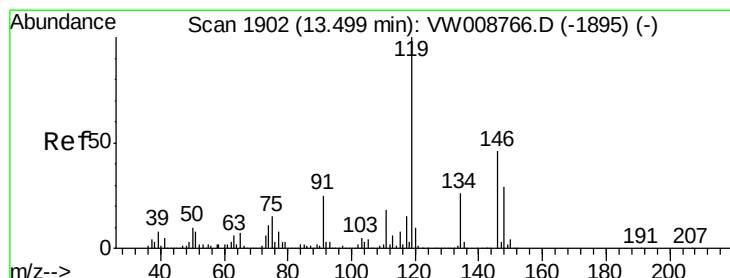
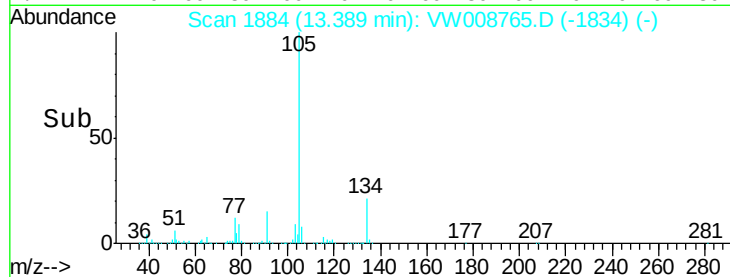
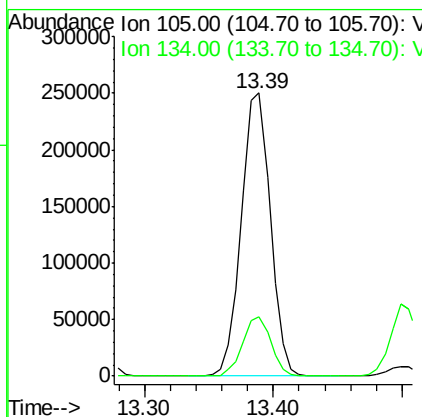
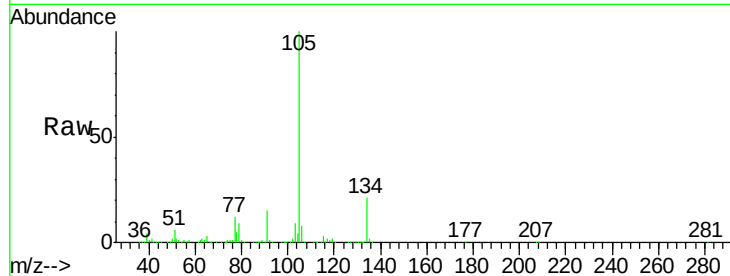
#85
 sec-Butylbenzene
 Concen: 21.273 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.1

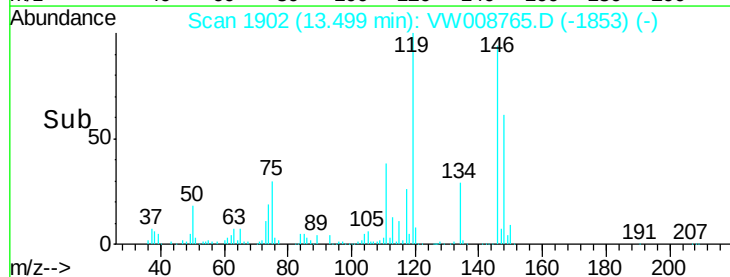
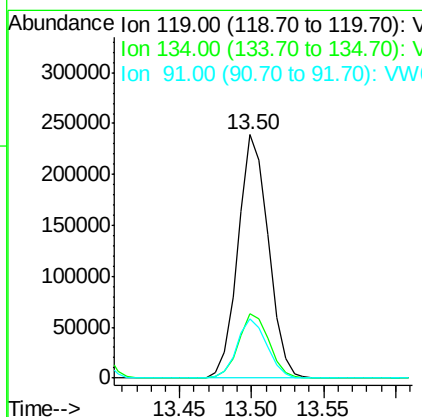
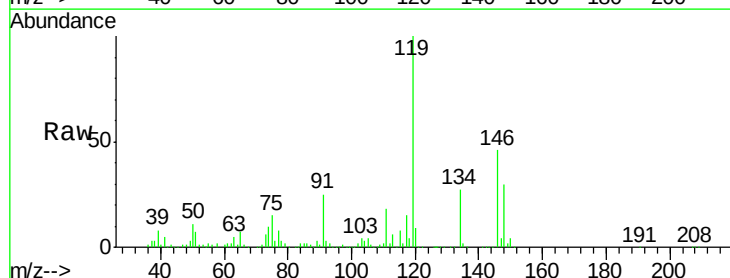
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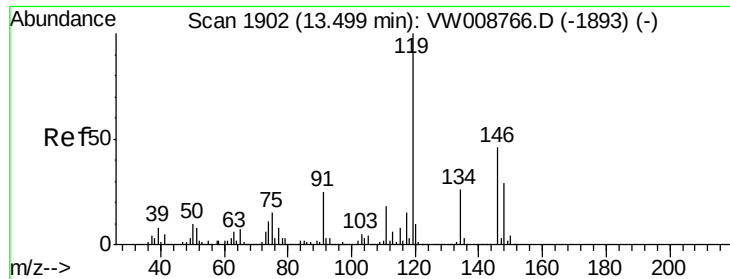
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#86
 p-Isopropyltoluene
 Concen: 20.722 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.1	39.3
91	24.2	12.1	36.3





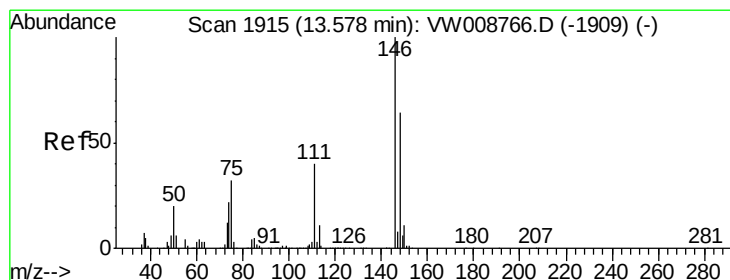
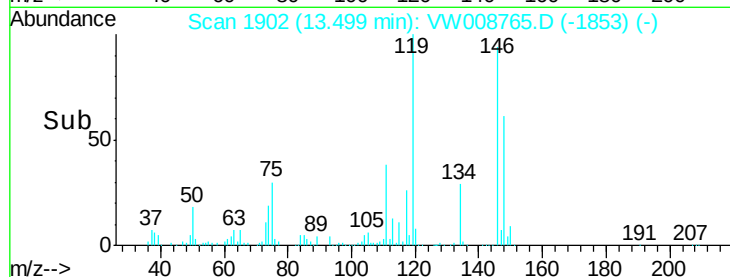
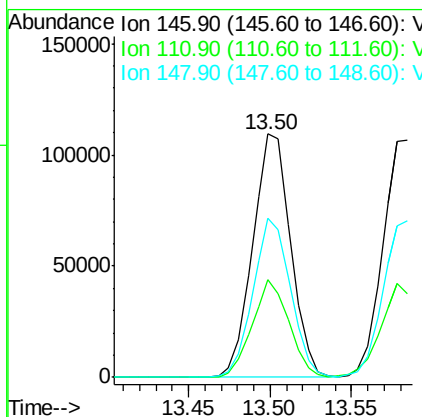
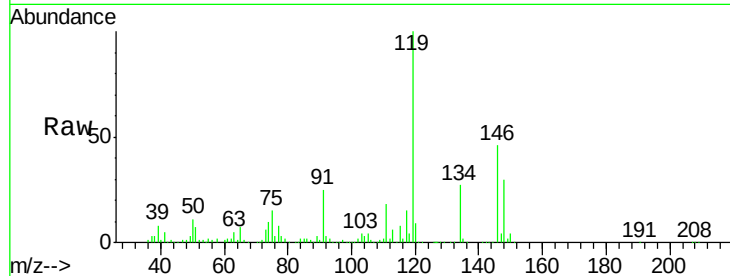
#87
 1,3-Dichlorobenzene
 Concen: 21.272 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	177015		
111	38.8	19.9	59.7	
148	64.3	31.6	94.8	

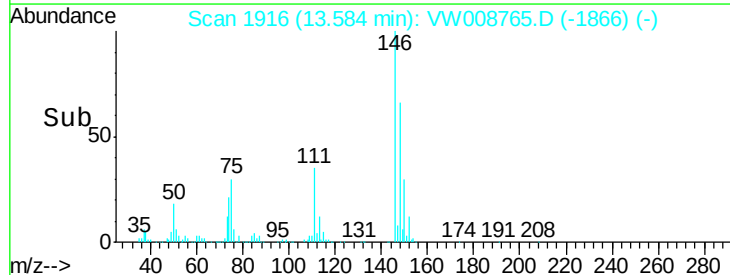
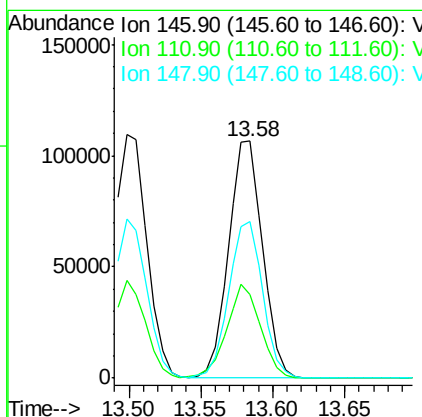
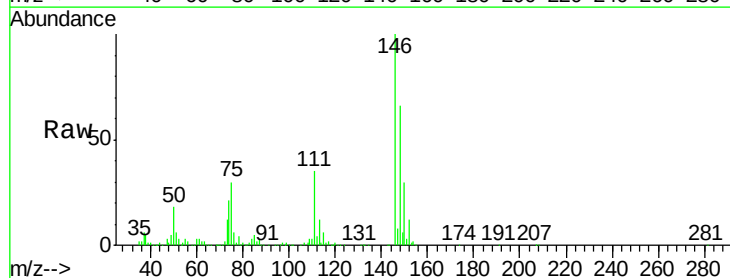
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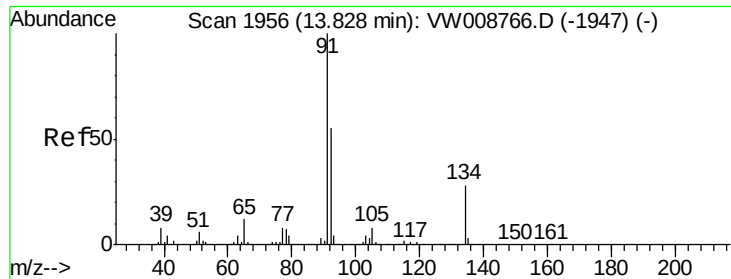
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#88
 1,4-Dichlorobenzene
 Concen: 21.480 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176162		
111	39.3	19.3	57.9	
148	65.7	31.9	95.9	





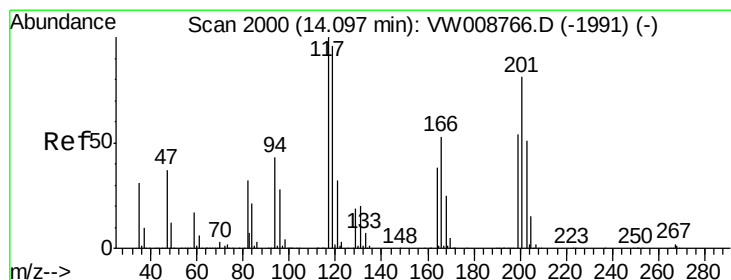
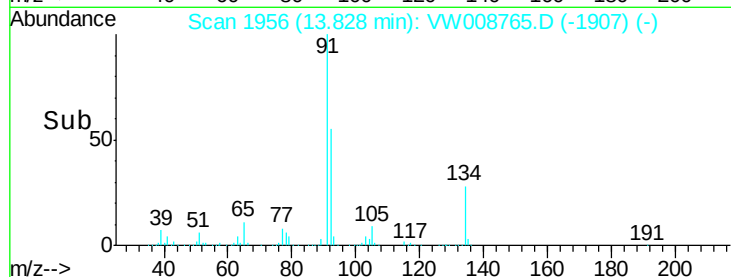
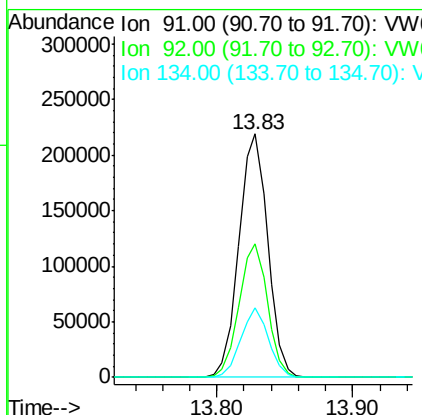
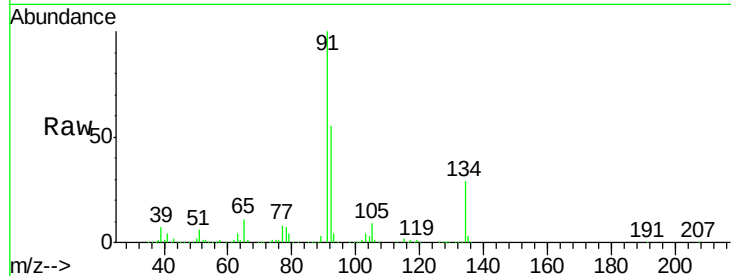
#89
n-Butylbenzene
Concen: 20.551 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	323664		
92	54.2	26.8	80.4	
134	27.5	13.5	40.4	

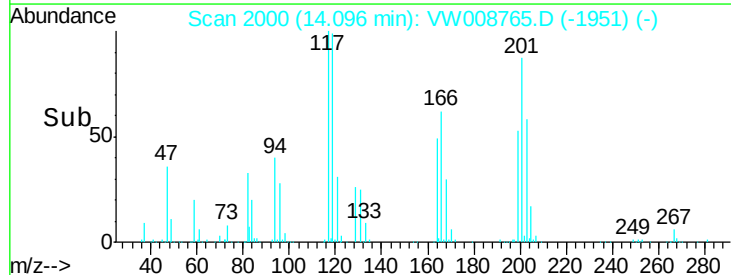
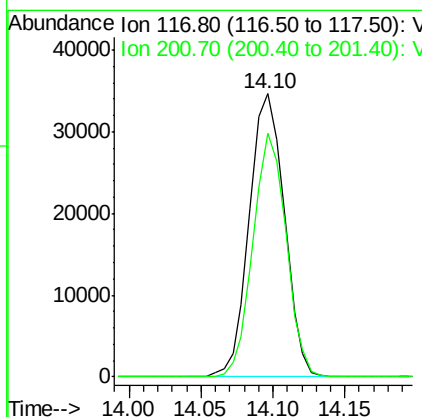
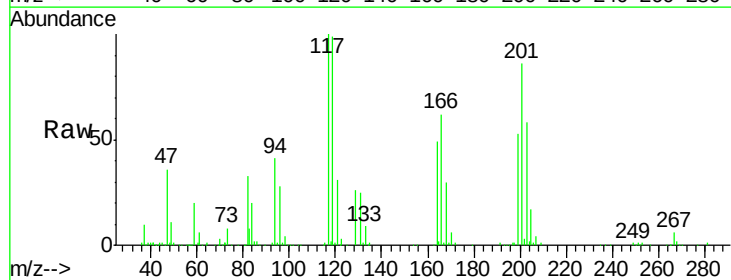
Manual Integrations
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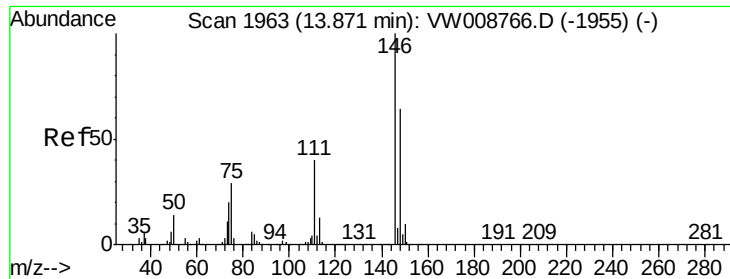
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#90
Hexachloroethane
Concen: 21.215 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	58383		
201	81.3	40.3	120.8	





#91

1,2-Dichlorobenzene

Concen: 21.350 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008765.D

Acq: 21 Feb 2019 11:47

Instrument :

MSVOA_W

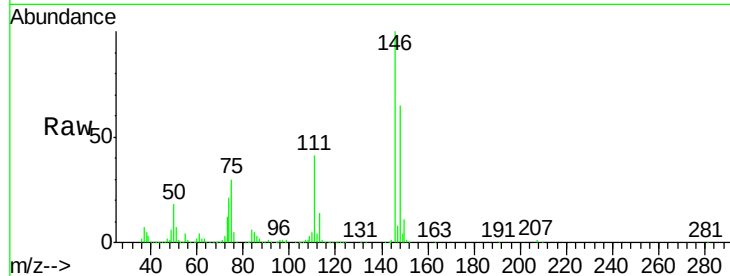
ClientSampleId :

VSTDIC020

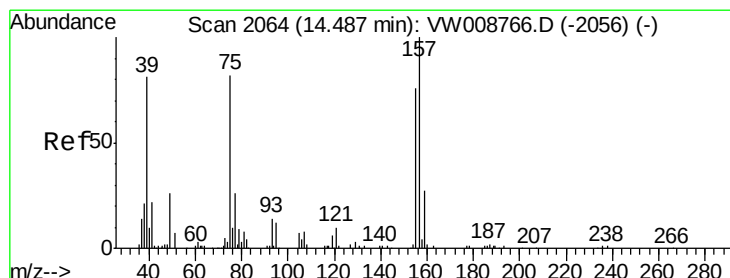
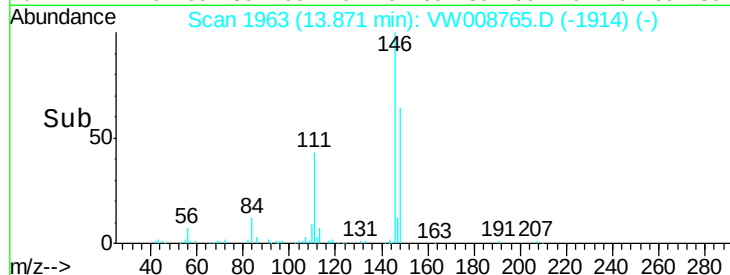
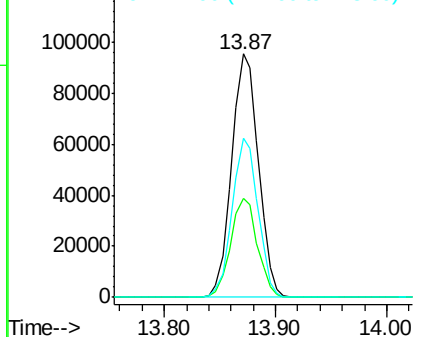
Tot Ion:	146	Resp:	158302
Ion Ratio		Lower	Upper
146	100		
111	40.6	20.3	60.8
148	63.2	32.5	97.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.837 ug/l

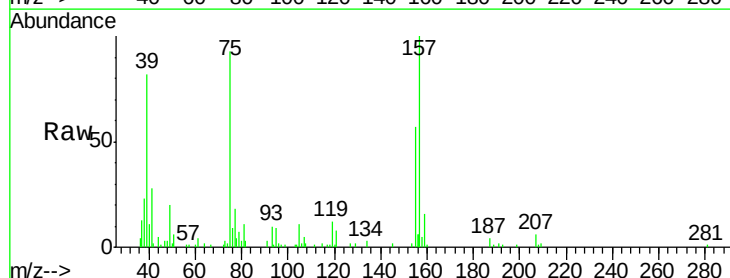
RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

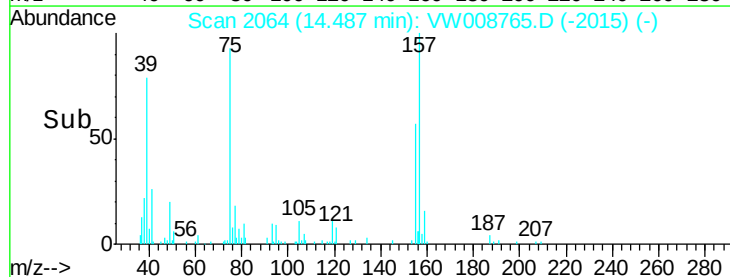
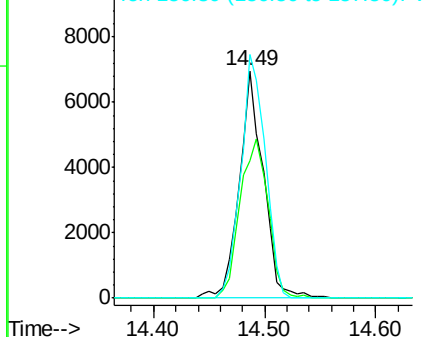
Lab File: VW008765.D

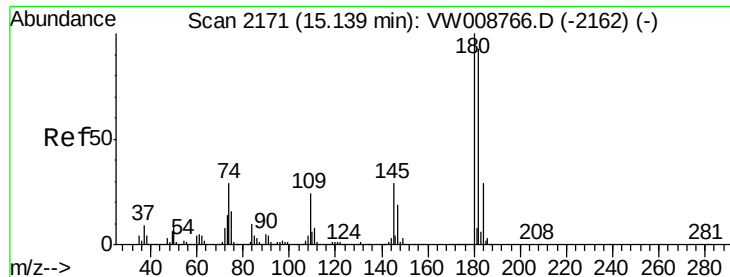
Acq: 21 Feb 2019 11:47

Tgt Ion:	75	Resp:	10453
Ion Ratio		Lower	Upper
75	100		
155	81.4	41.8	125.4
157	109.4	56.6	169.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





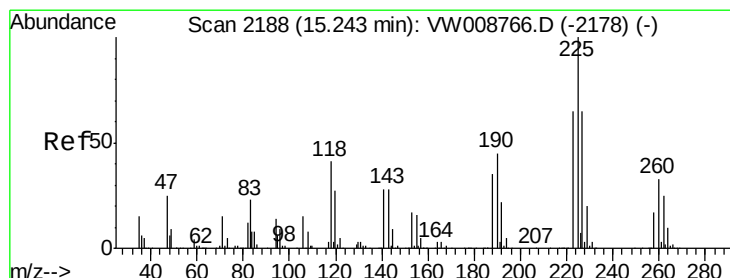
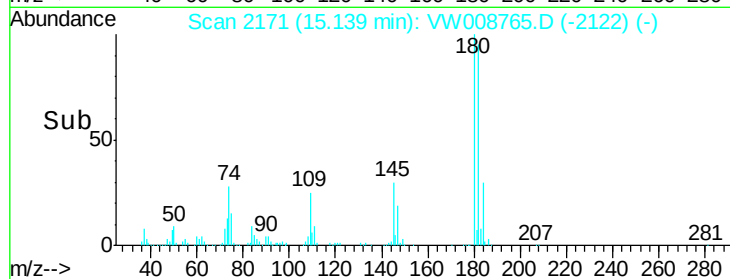
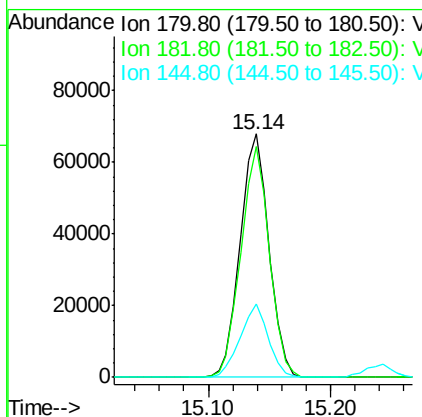
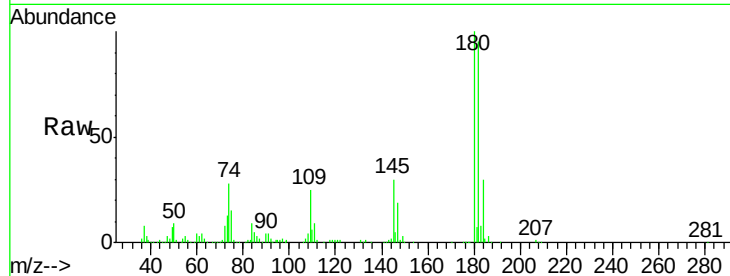
#93
 1,2,4-Trichlorobenzene
 Concen: 20.786 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111043		
182	93.5	47.2	141.6	
145	29.5	14.4	43.0	

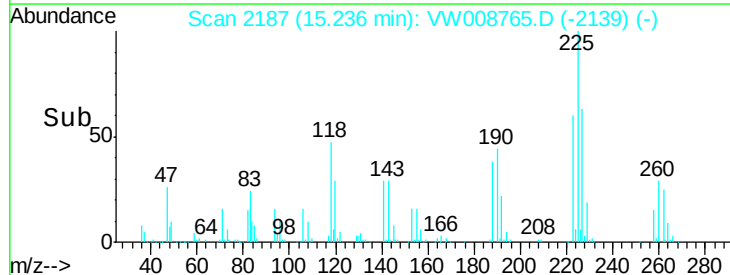
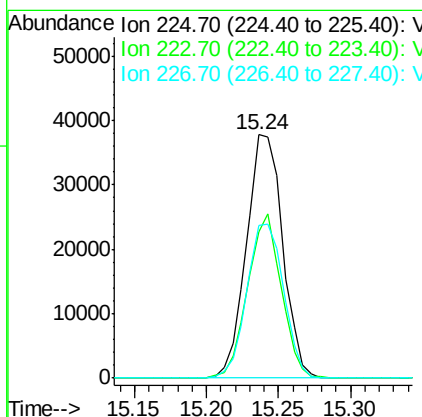
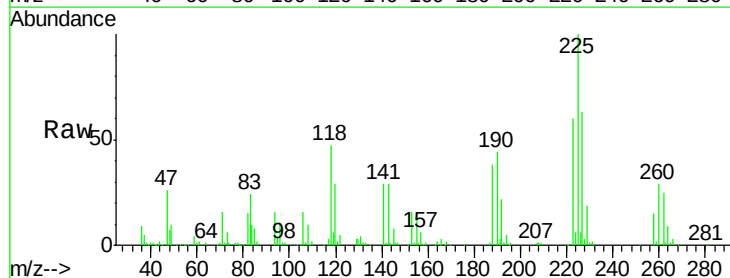
Manual Integrations
 APPROVED

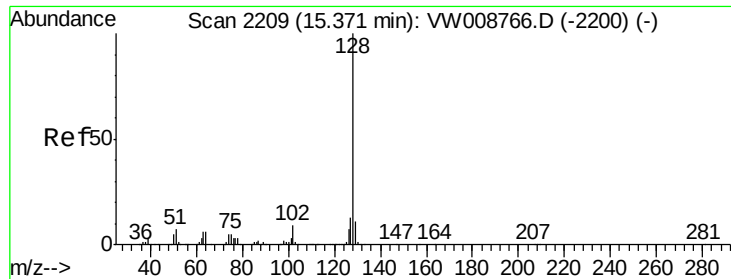
MMDadoda
 2/22/2019 12:25:10 PM



#94
 Hexachlorobutadiene
 Concen: 20.836 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008765.D
 Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65565		
223	62.5	31.5	94.5	
227	64.4	31.6	94.8	





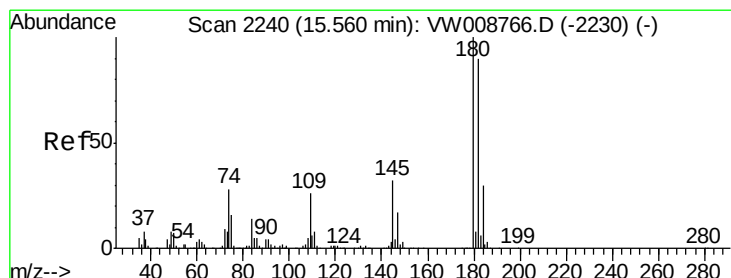
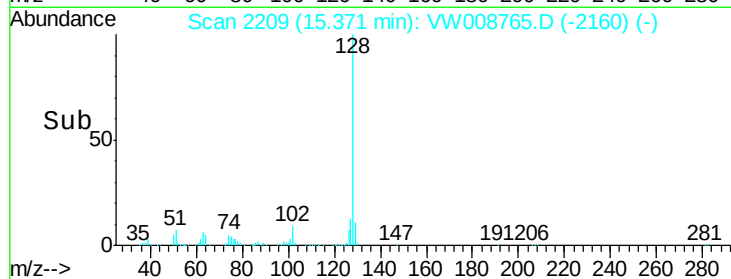
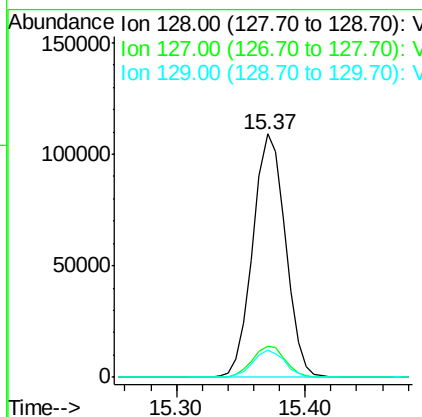
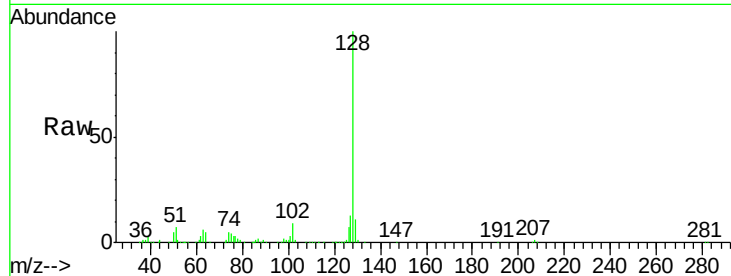
#95
Naphthalene
Concen: 21.005 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	191061		
127	13.1	10.8	16.2	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/22/2019 12:25:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.846 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008765.D
Acq: 21 Feb 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96289		
182	93.7	46.9	140.8	
145	30.2	15.9	47.6	

