

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008674.D
 Acq On : 15 Feb 2019 10:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:25 PM

Quant Time: Feb 16 00:48:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	360111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	521319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	460585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	186858	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	7.88	113	181699	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	10.32	98	701830	56.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.48%	
62) 4-Bromofluorobenzene	12.62	95	251830	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	128553	55.735	ug/l	92
3) Chloromethane	2.21	50	145461	43.748	ug/l	99
4) Vinyl Chloride	2.36	62	208667	47.776	ug/l	98
5) Bromomethane	2.78	94	160399	46.411	ug/l	99
6) Chloroethane	2.92	64	152536	46.936	ug/l	92
7) Trichlorofluoromethane	3.25	101	161063	47.347	ug/l	100
8) Diethyl Ether	3.67	74	91804	45.224	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	195220	54.305	ug/l	98
10) Methyl Iodide	4.26	142	301085	53.661	ug/l	99
11) Tert butyl alcohol	5.17	59	58800	196.300	ug/l	97
12) 1,1-Dichloroethene	4.03	96	187674	53.383	ug/l	94
13) Acrolein	3.88	56	83650	271.048	ug/l	97
14) Allyl chloride	4.65	41	309077	52.915	ug/l	99
15) Acrylonitrile	5.36	53	187715	219.695	ug/l	99
16) Acetone	4.12	43	207571	243.646	ug/l	99
17) Carbon Disulfide	4.37	76	573279	54.035	ug/l	100
18) Methyl Acetate	4.66	43	81660	41.947	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	284792	46.146	ug/l	99
20) Methylene Chloride	4.90	84	183645	48.744	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	208908	54.261	ug/l	95
22) Diisopropyl ether	6.31	45	574095	48.835	ug/l	99
23) Vinyl Acetate	6.24	43	1750600	229.441	ug/l	100
24) 1,1-Dichloroethane	6.21	63	357866	52.754	ug/l	99
25) 2-Butanone	7.17	43	258230	214.659	ug/l	99
26) 2,2-Dichloropropane	7.16	77	232827	54.940	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	213870	51.371	ug/l	99
28) Bromochloromethane	7.51	49	154856	54.076	ug/l	98
29) Tetrahydrofuran	7.52	42	162491	204.932	ug/l	99
30) Chloroform	7.67	83	358701	52.771	ug/l	100
31) Cyclohexane	7.95	56	341971	49.945	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	313094	54.540	ug/l	100
36) 1,1-Dichloropropene	8.07	75	297750	56.849	ug/l	99
37) Ethyl Acetate	7.25	43	111791	44.247	ug/l	99
38) Carbon Tetrachloride	8.06	117	307234	58.991	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	374414	56.518	ug/l	99
40) Benzene	8.32	78	784556	54.848	ug/l	100
41) Methacrylonitrile	7.48	41	70813	49.815	ug/l	98
42) 1,2-Dichloroethane	8.40	62	227827	51.348	ug/l	100
43) Isopropyl Acetate	8.42	43	228675	45.391	ug/l	97
44) Trichloroethene	9.09	130	224231	56.537	ug/l	99
45) 1,2-Dichloropropane	9.37	63	191825	54.187	ug/l	95
46) Dibromomethane	9.46	93	98135	50.323	ug/l	98
47) Bromodichloromethane	9.64	83	257705	54.987	ug/l	97
48) Methyl methacrylate	9.43	41	109452	46.880	ug/l	98
49) 1,4-Dioxane	9.44	88	30931	993.672	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	565486	218.510	ug/l	100
52) Toluene	10.38	92	508196	55.071	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	257287	52.257	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	300344	53.813	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	132397	49.480	ug/l	98
56) Ethyl methacrylate	10.65	69	168239	47.351	ug/l	98
57) 1,3-Dichloropropane	10.93	76	239443	50.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	436385	256.033	ug/l	100
59) 2-Hexanone	10.97	43	416519	229.107	ug/l	97
60) Dibromochloromethane	11.13	129	169689	53.002	ug/l	100
61) 1,2-Dibromoethane	11.23	107	130603	49.573	ug/l	100
64) Tetrachloroethene	10.86	164	190972	55.757	ug/l	96
65) Chlorobenzene	11.66	112	545564	54.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	194724	55.370	ug/l	100
67) Ethyl Benzene	11.73	91	1004065	56.780	ug/l	99
68) m/p-Xylenes	11.84	106	769759	111.876	ug/l	100
69) o-Xylene	12.16	106	359384	55.258	ug/l	100
70) Styrene	12.18	104	575924	54.216	ug/l	99
71) Bromoform	12.35	173	96570	50.964	ug/l	# 99
73) Isopropylbenzene	12.46	105	1016191	56.676	ug/l	99
74) N-amyl acetate	12.27	43	220832	45.546	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	149252	47.844	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	103951m	43.734	ug/l	
77) Bromobenzene	12.75	156	223990	54.346	ug/l	97
78) n-propylbenzene	12.80	91	1218388	57.191	ug/l	100
79) 2-Chlorotoluene	12.89	91	670541	55.691	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	843225	56.620	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47577	44.428	ug/l	97
82) 4-Chlorotoluene	12.99	91	700687	54.913	ug/l	100
83) tert-Butylbenzene	13.21	119	738409	57.101	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	853356	55.750	ug/l	100
85) sec-Butylbenzene	13.38	105	1079059	57.307	ug/l	100
86) p-Isopropyltoluene	13.50	119	957071	56.817	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	453048	54.224	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	450821	54.749	ug/l	99
89) n-Butylbenzene	13.83	91	919343	57.433	ug/l	100
90) Hexachloroethane	14.10	117	175889	59.766	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	396139	53.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	26058	48.069	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	285085	54.102	ug/l	99
94) Hexachlorobutadiene	15.24	225	184065	60.008	ug/l	99
95) Naphthalene	15.37	128	467599	49.517	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	240561	53.200	ug/l	99

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

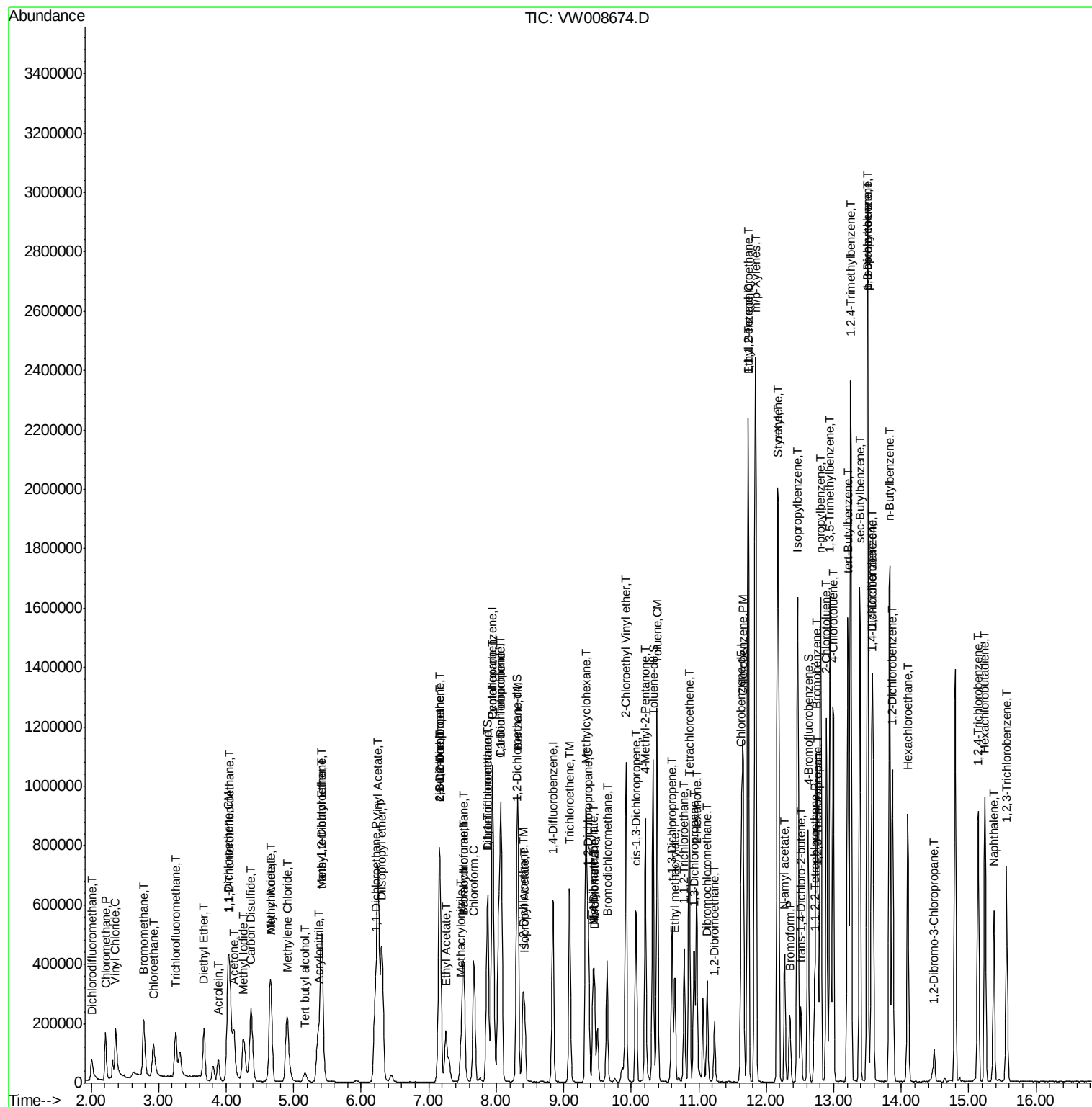
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021519\
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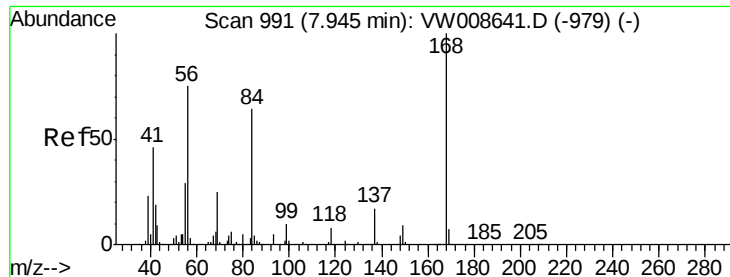
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 360111

Ion Ratio Lower Upper

168 100

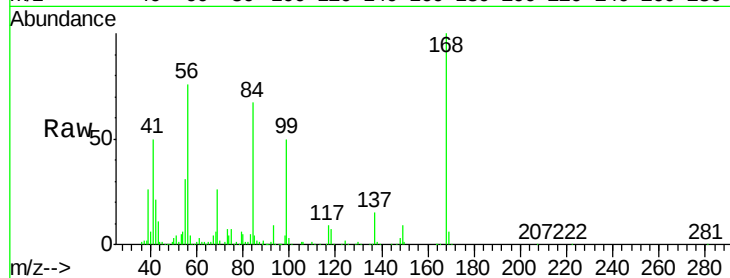
99 50.0 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

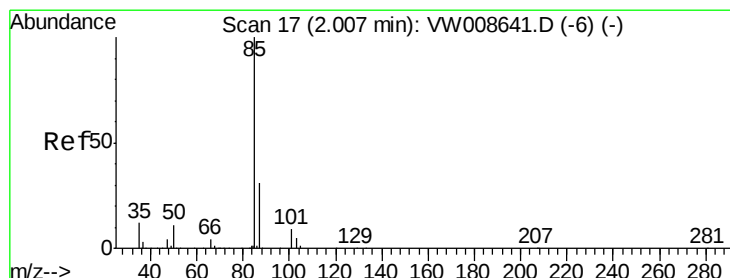
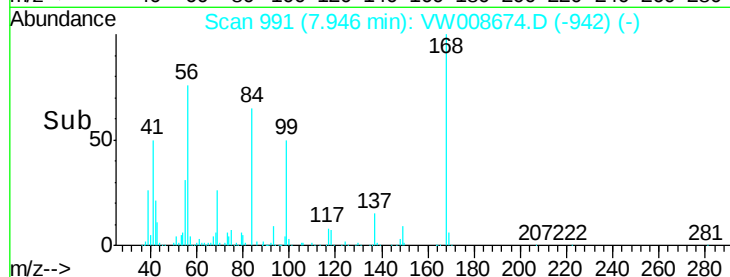
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.735 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008674.D

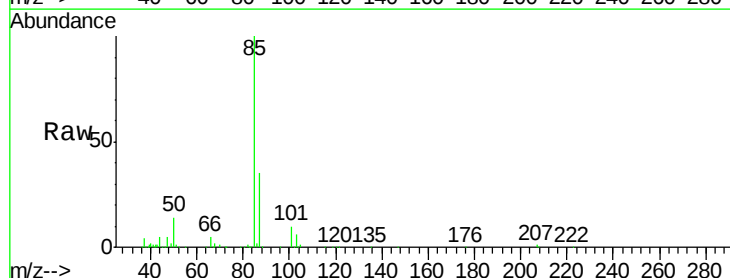
Acq: 15 Feb 2019 10:16

Tgt Ion: 85 Resp: 128553

Ion Ratio Lower Upper

85 100

87 35.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

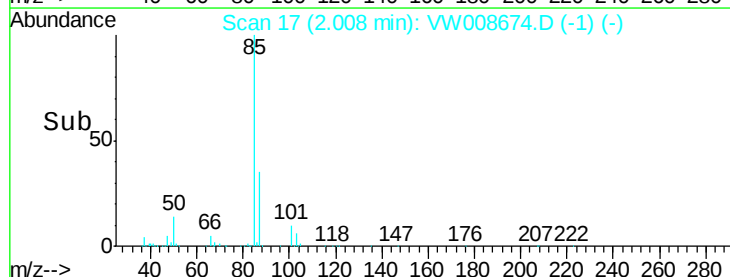
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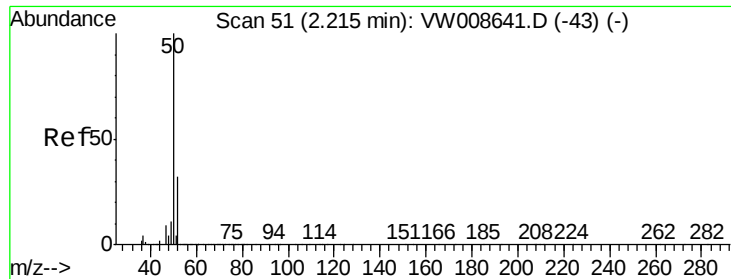
20000

10000

0

Time-->





#3

Chloromethane

Concen: 43.748 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 145461

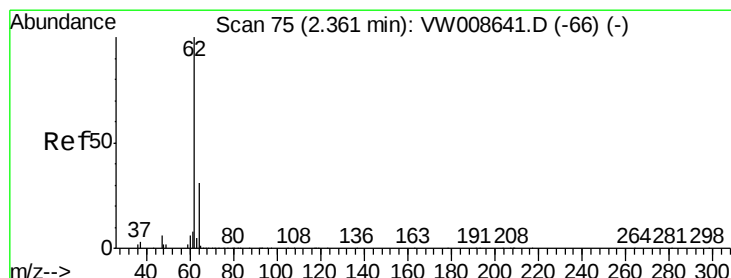
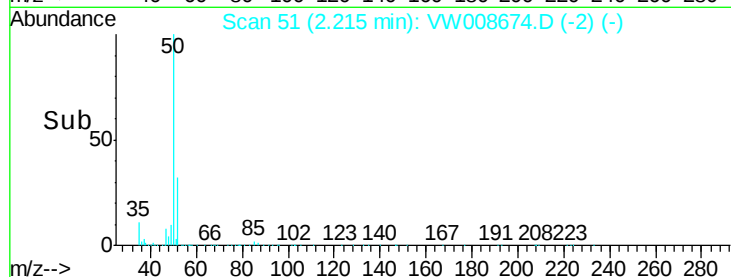
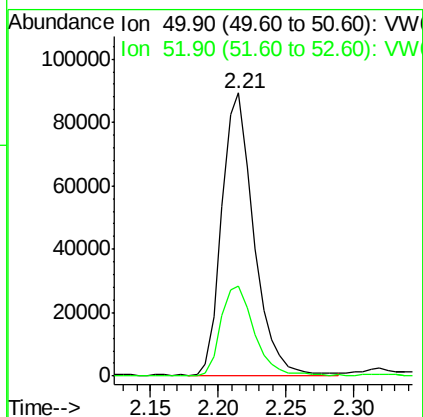
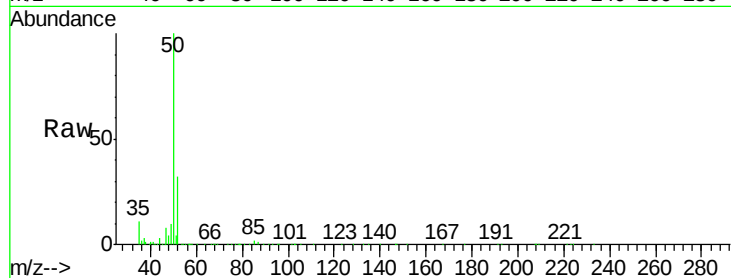
Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0

Manual Integrations
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2/18/2019 2:34:25 PM



#4

Vinyl Chloride

Concen: 47.776 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008674.D

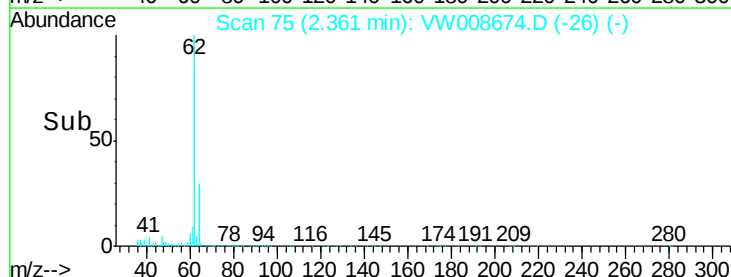
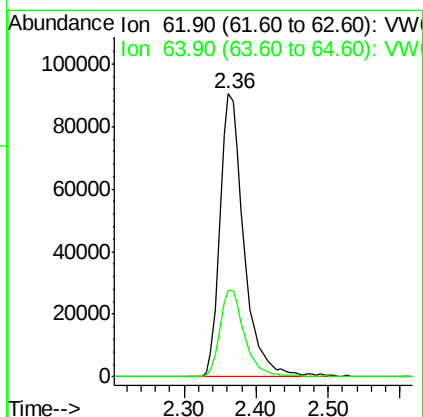
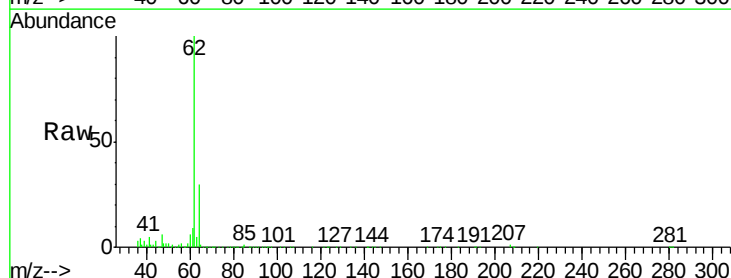
Acq: 15 Feb 2019 10:16

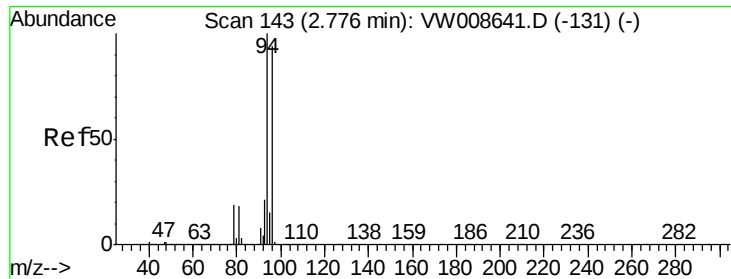
Tgt Ion: 62 Resp: 208667

Ion Ratio Lower Upper

62 100

64 30.2 25.1 37.7





#5

Bromomethane

Concen: 46.411 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 160399

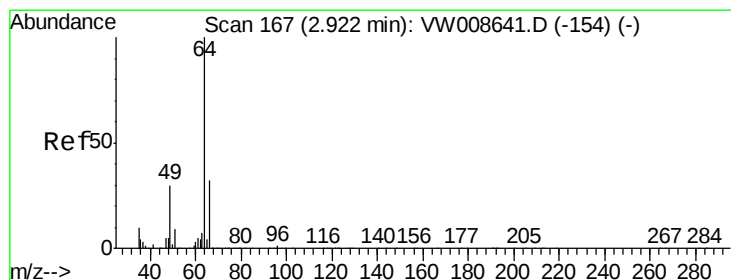
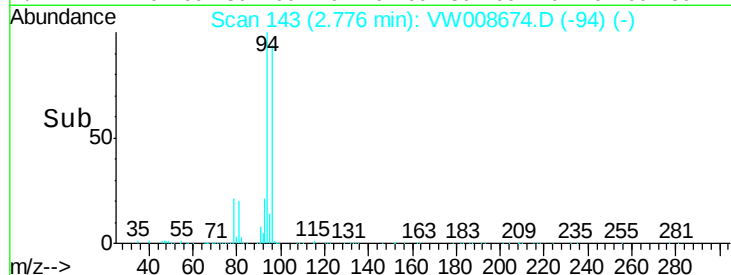
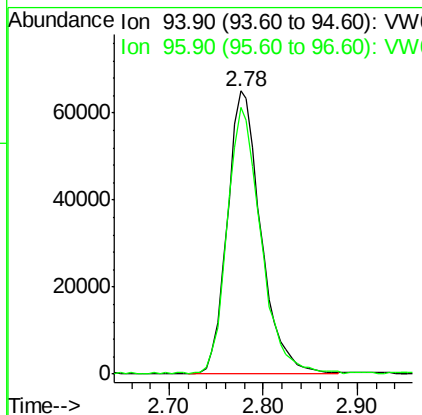
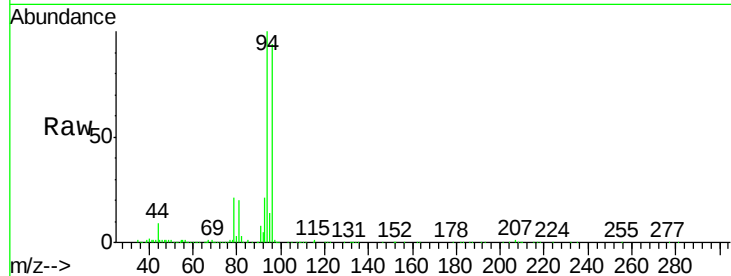
Ion Ratio Lower Upper

94 100

96 93.9 75.5 113.3

Manual Integrations
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#6

Chloroethane

Concen: 46.936 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008674.D

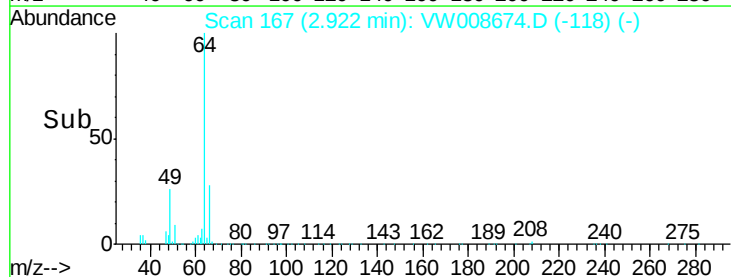
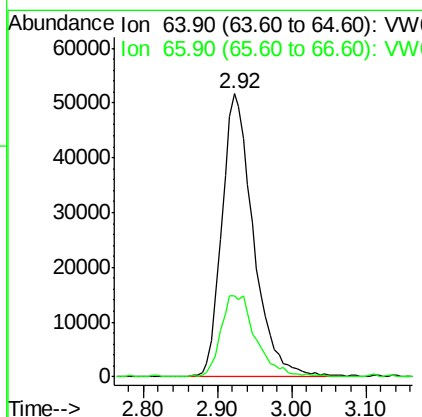
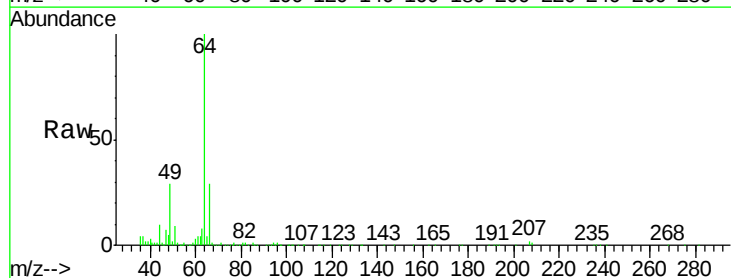
Acq: 15 Feb 2019 10:16

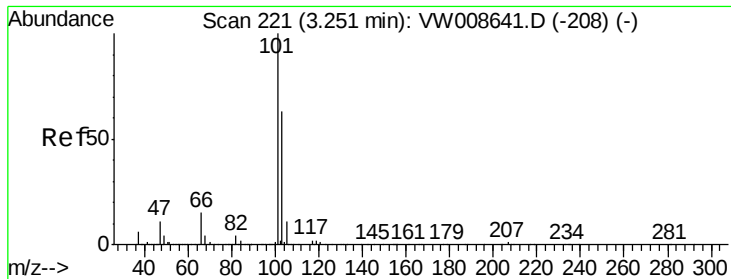
Tgt Ion: 64 Resp: 152536

Ion Ratio Lower Upper

64 100

66 28.5 26.2 39.4





#7

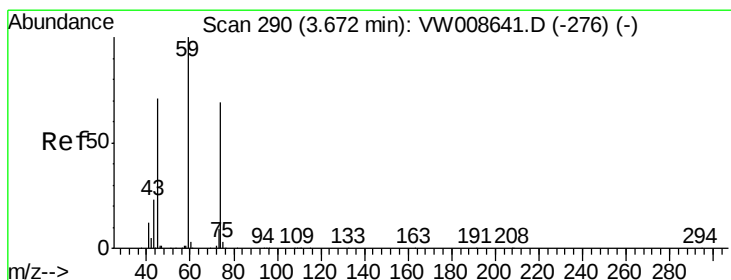
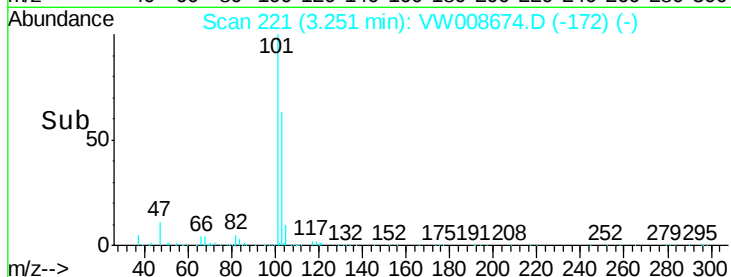
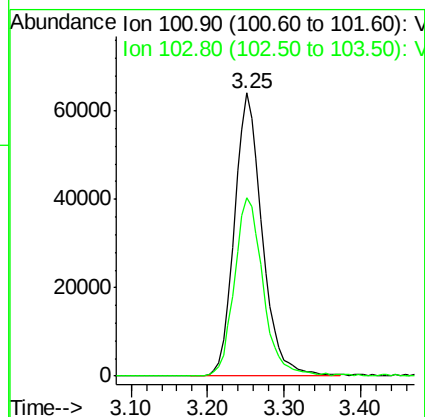
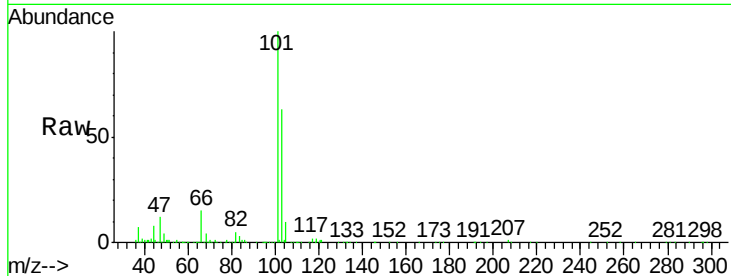
Trichlorofluoromethane
Concen: 47.347 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	161063		
103	63.2	50.5	75.7	

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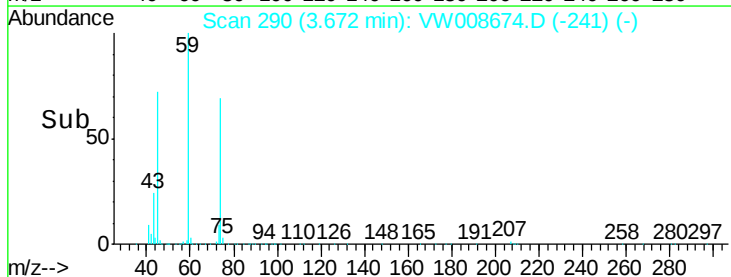
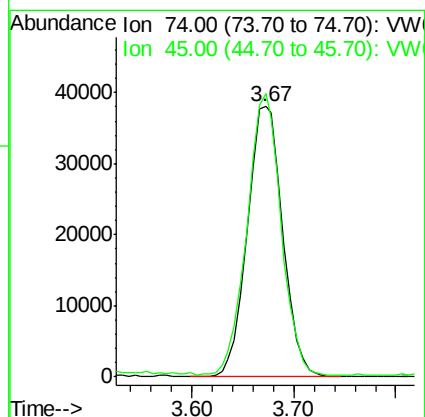
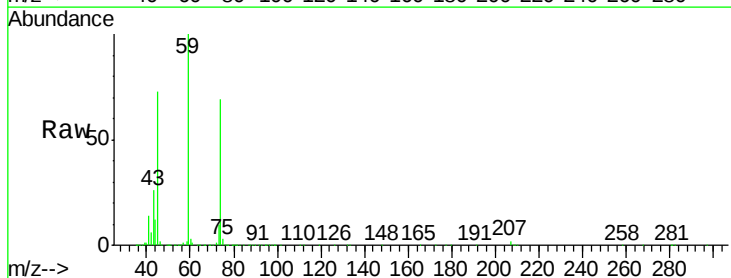
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2/18/2019 2:34:25 PM

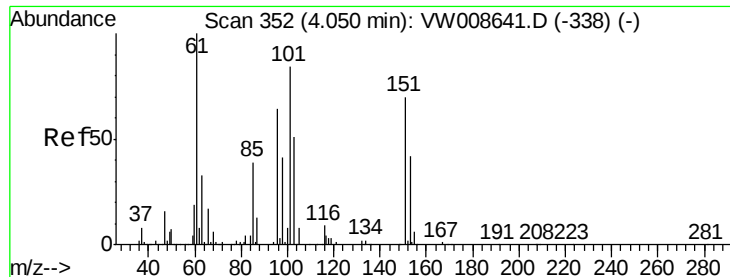


#8

Diethyl Ether
Concen: 45.224 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	91804		
45	101.0	50.2	150.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.305 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

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MSVOA_W

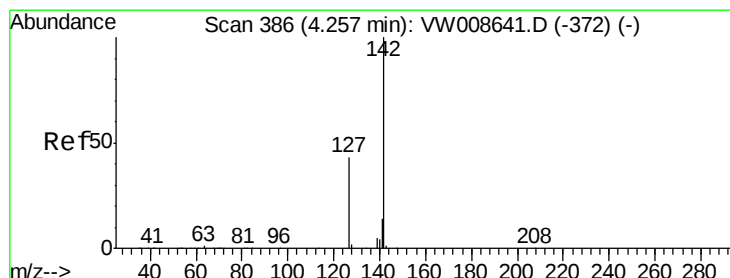
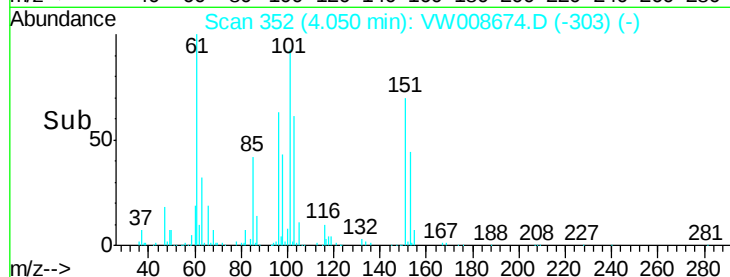
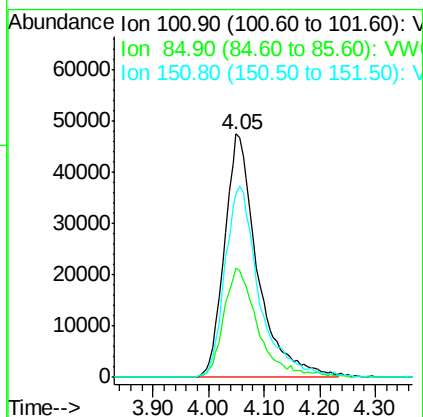
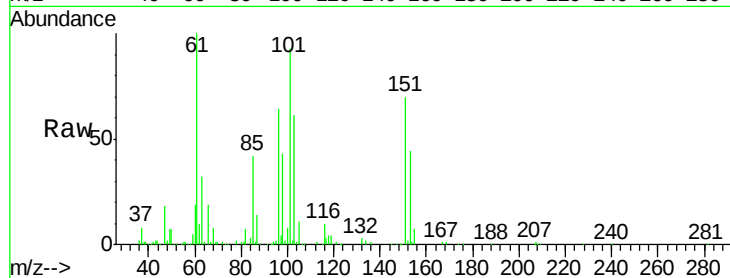
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	195220
Ion Ratio	Lower	Upper	
101	100		
85	46.5	34.3	51.5
151	81.5	65.6	98.4

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#10

Methyl Iodide

Concen: 53.661 ug/l

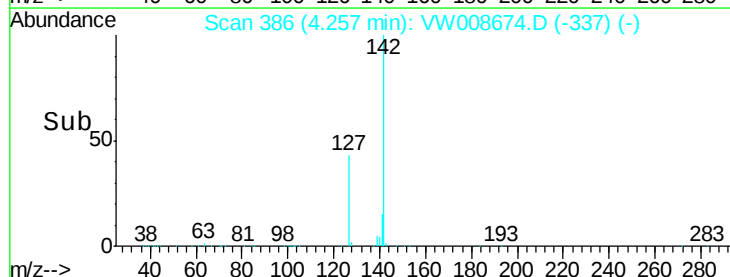
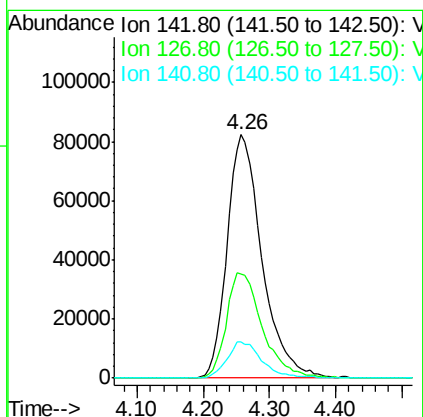
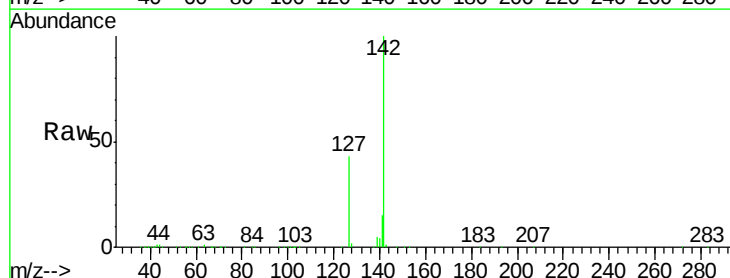
RT: 4.26 min Scan# 386

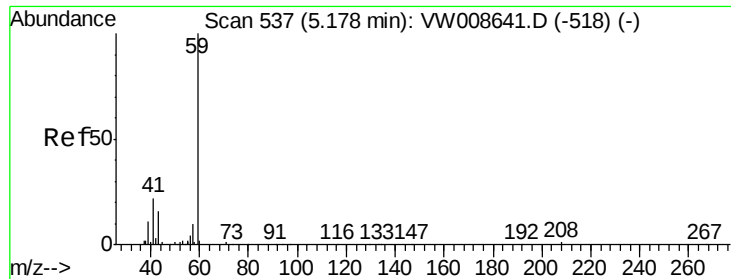
Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion:	142	Resp:	301085
Ion Ratio	Lower	Upper	
142	100		
127	44.6	34.8	52.2
141	14.8	11.8	17.8





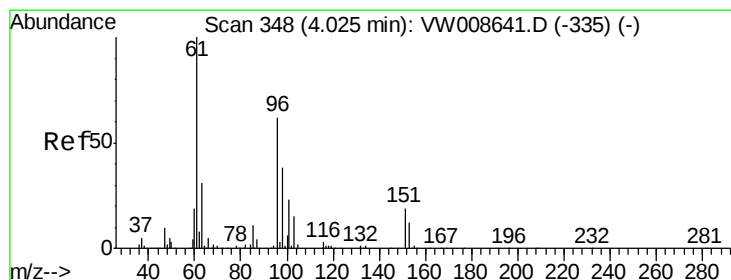
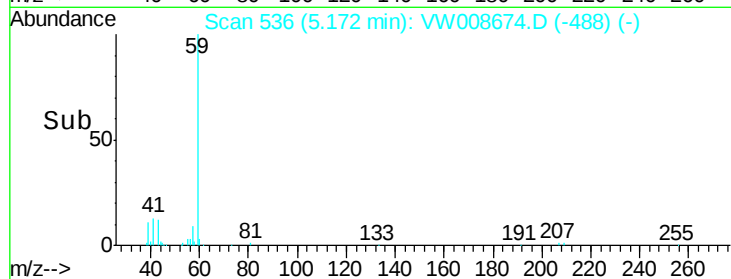
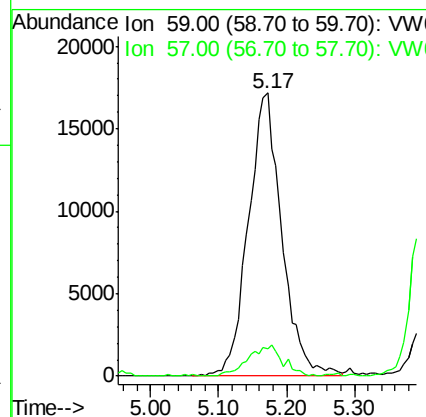
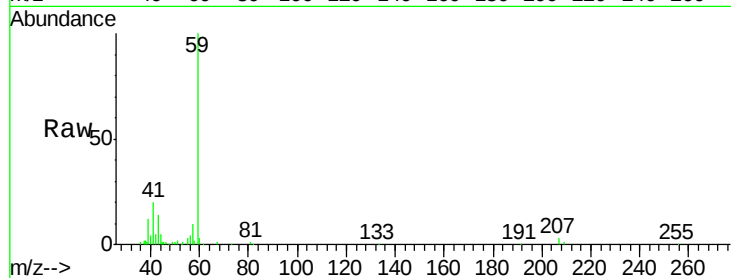
#11
Tert butyl alcohol
Concen: 196.300 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	58800		
57	11.4		8.3	12.5

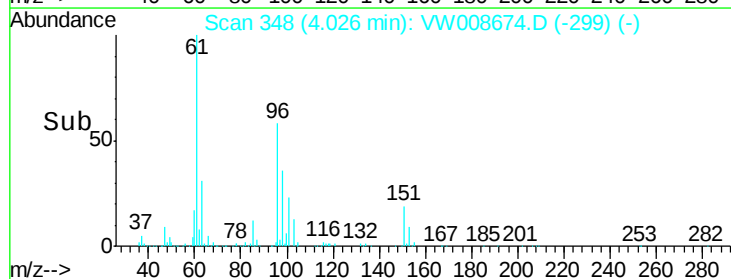
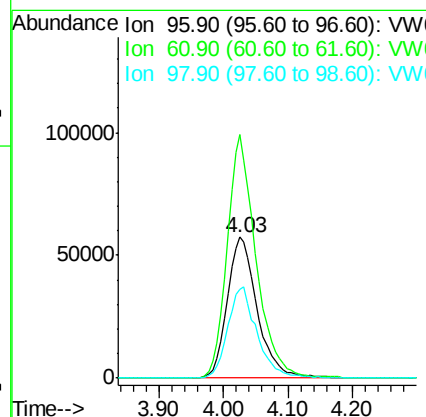
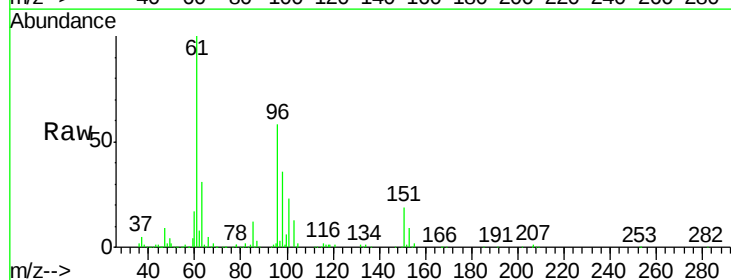
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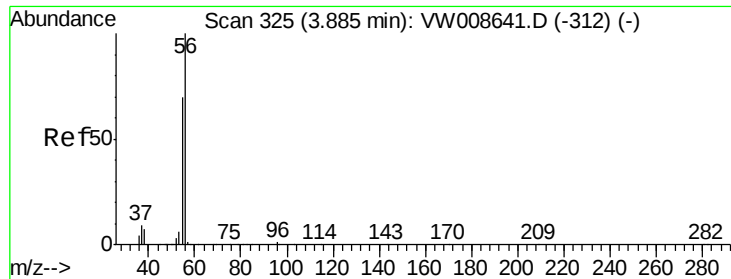
MMDadoda
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#12
1,1-Dichloroethene
Concen: 53.383 ug/l
RT: 4.03 min Scan# 348
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	187674		
61	172.4		129.8	194.6
98	62.7		49.3	73.9





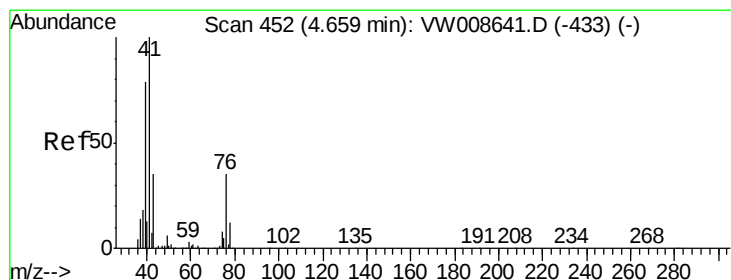
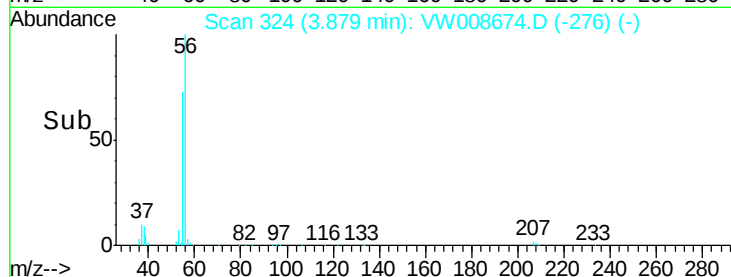
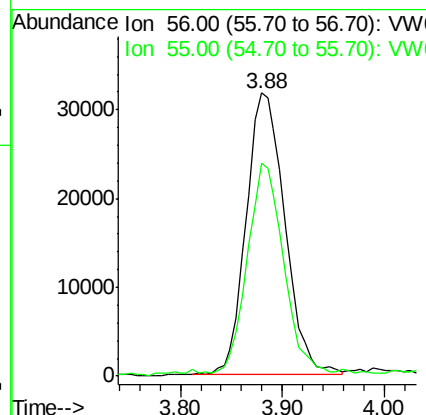
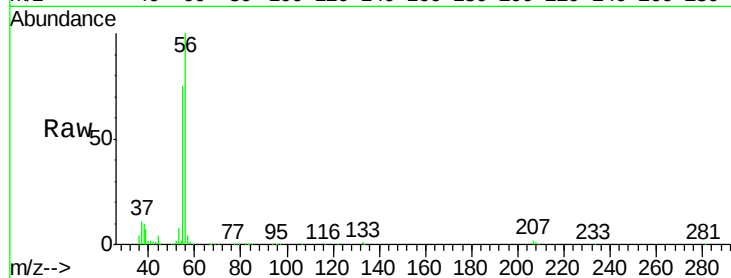
#13
Acrolein
Concen: 271.048 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.4	86.2

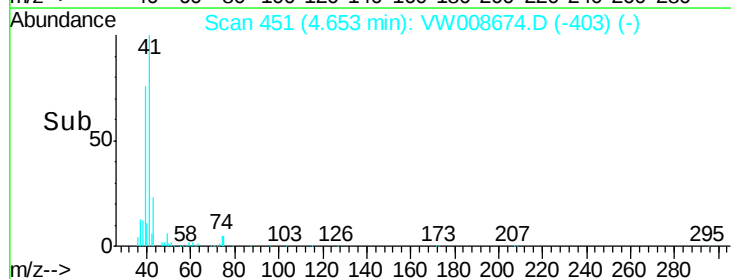
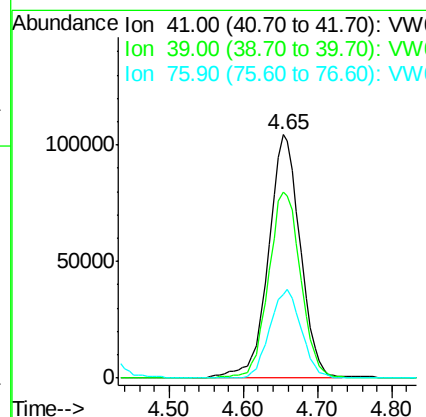
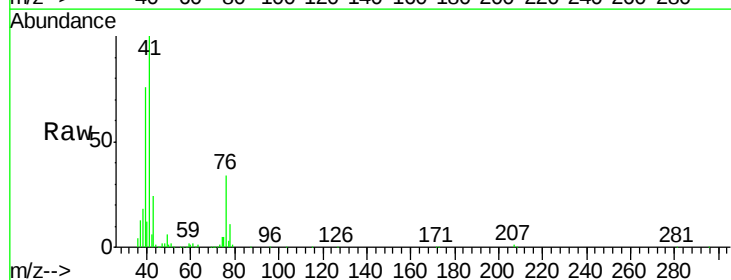
Manual Integrations
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#14
Allyl chloride
Concen: 52.915 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.3	61.7	92.5
76	36.3	27.7	41.5





#15

Acrylonitrile

Concen: 219.695 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

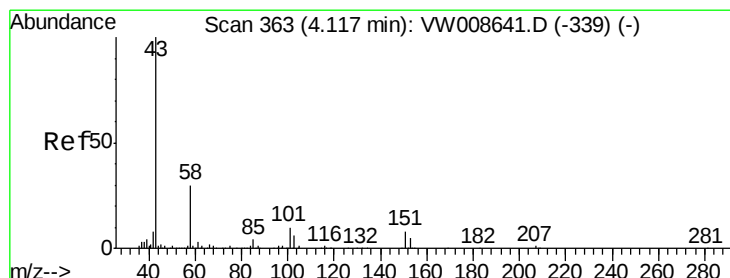
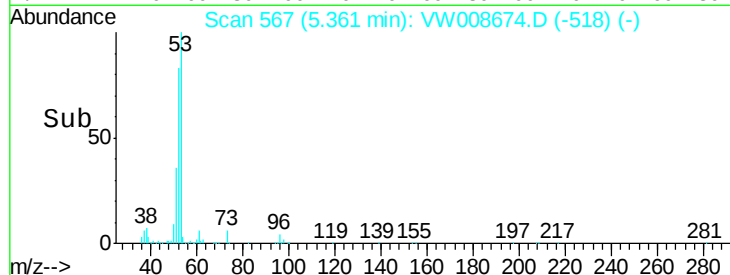
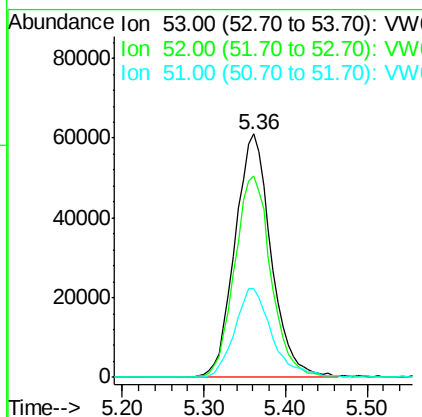
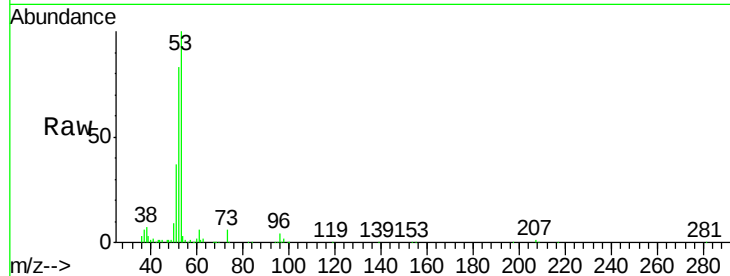
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	187715
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.8	100.2
51	37.9	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 243.646 ug/l

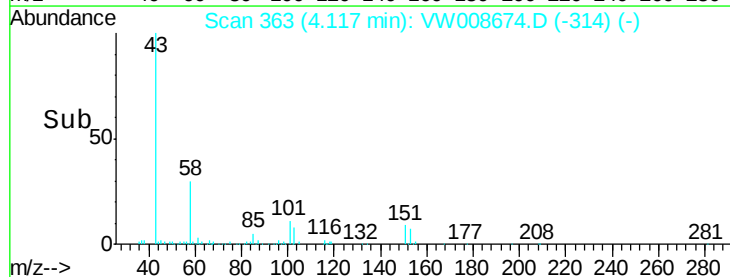
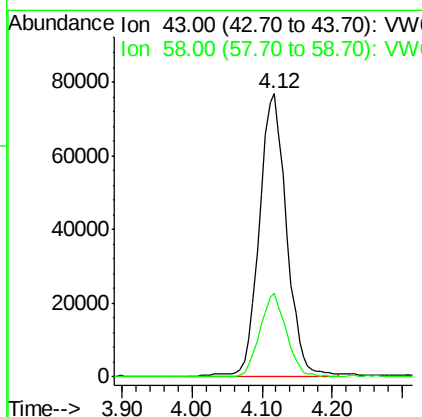
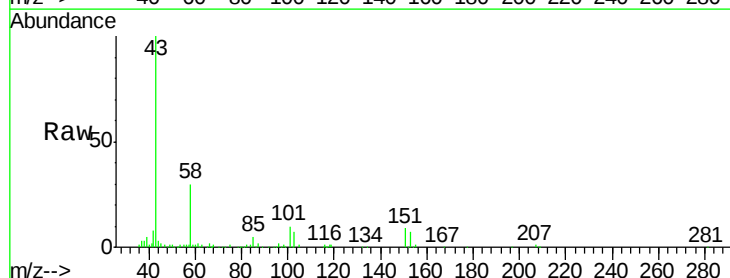
RT: 4.12 min Scan# 363

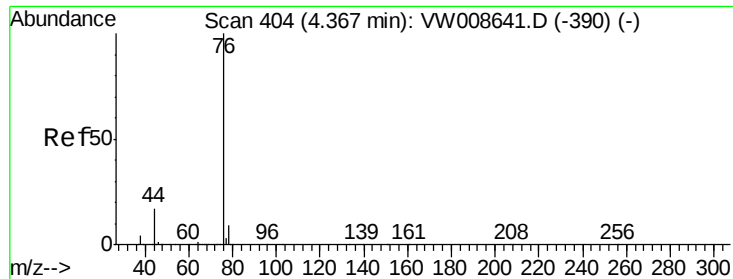
Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion:	43	Resp:	207571
Ion Ratio	Lower	Upper	
43	100		
58	29.5	24.1	36.1





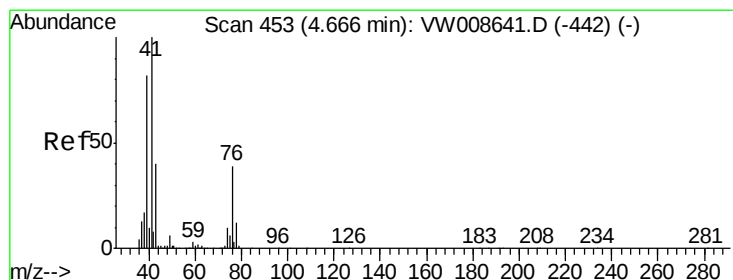
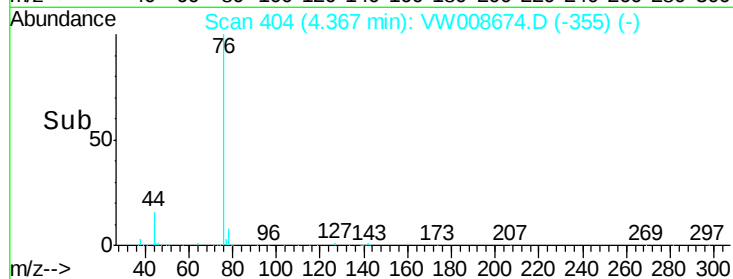
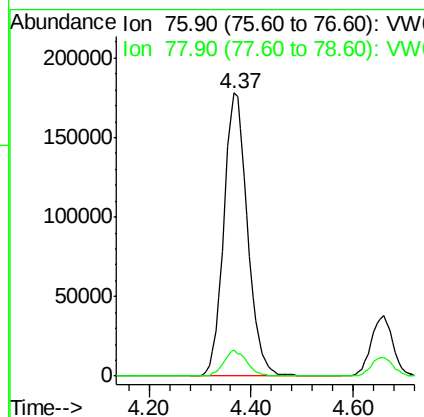
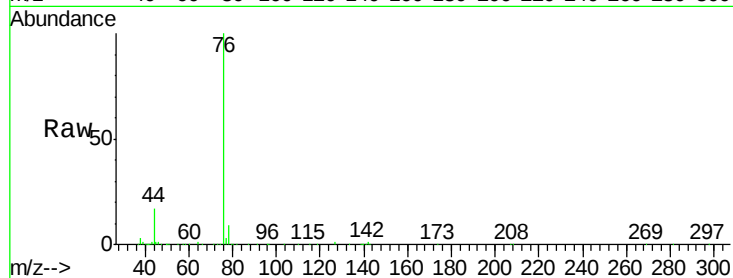
#17
Carbon Disulfide
Concen: 54.035 ug/l
RT: 4.37 min Scan# 404
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

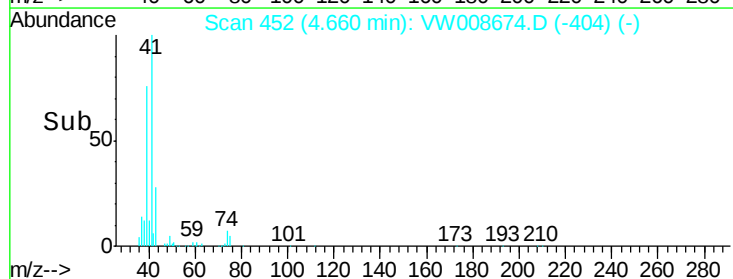
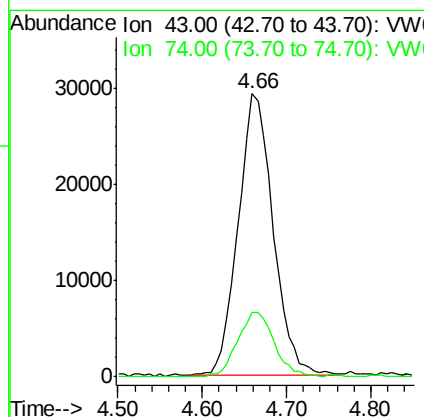
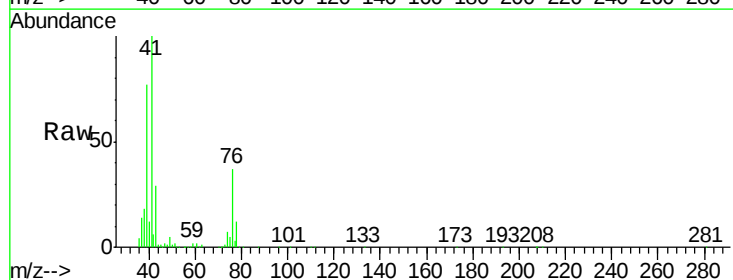
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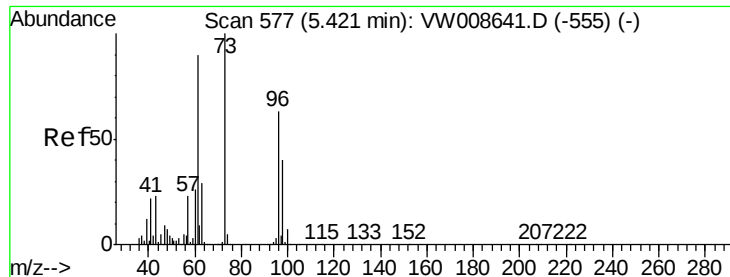
MMDadoda
2/18/2019 2:34:25 PM



#18
Methyl Acetate
Concen: 41.947 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.0	28.4





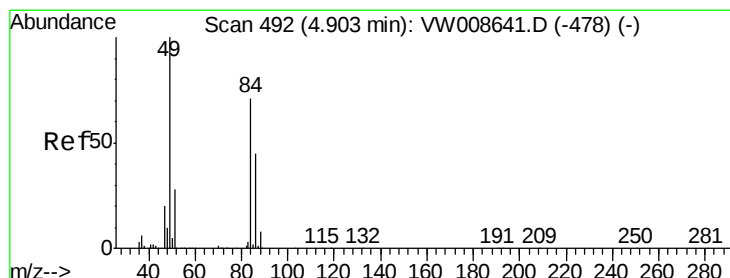
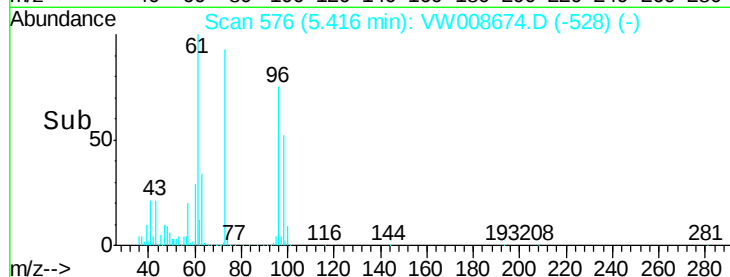
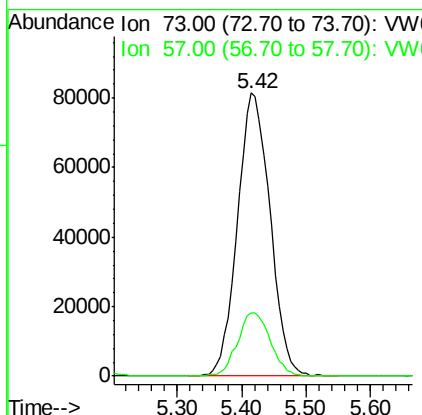
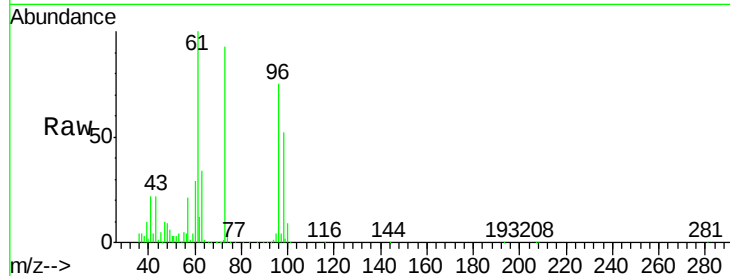
#19
Methvl tert-butvl Ether
Concen: 46.146 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.2	27.2

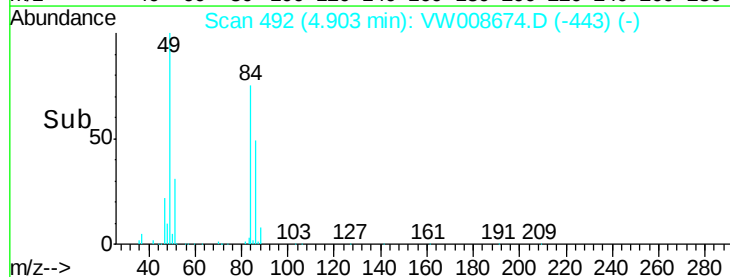
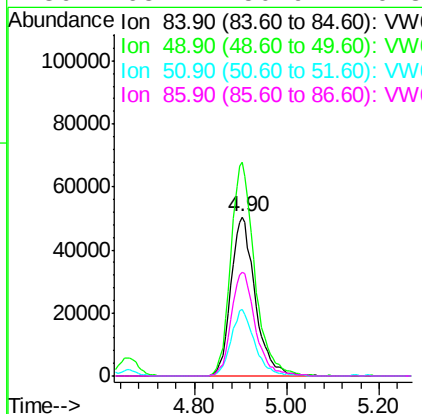
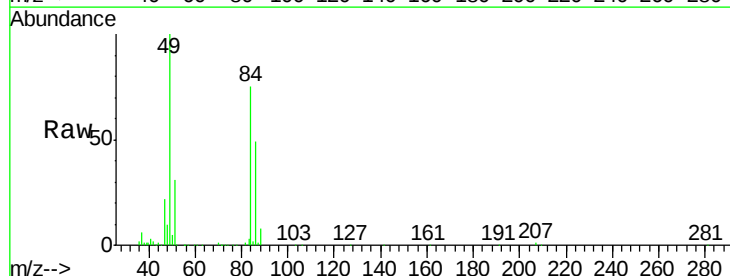
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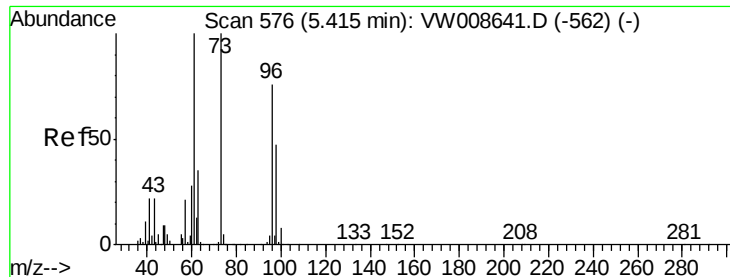
MMDadoda
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#20
Methylene Chloride
Concen: 48.744 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.2	113.3	169.9
51	42.0	32.1	48.1
86	65.4	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 54.261 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

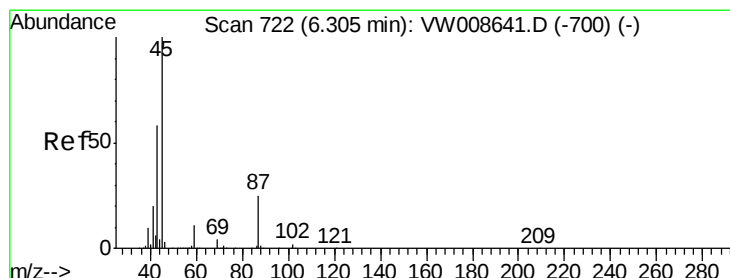
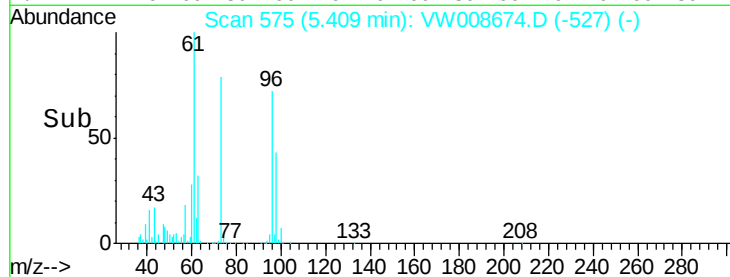
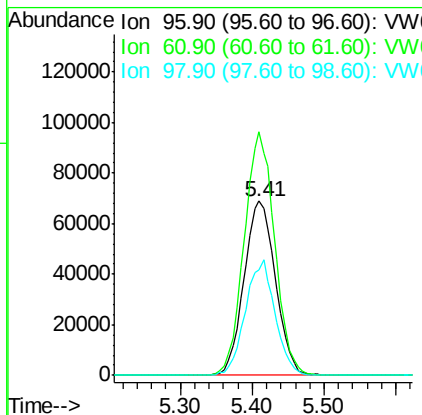
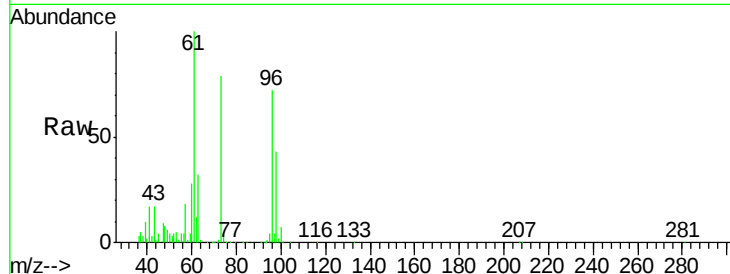
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	208908
Ion Ratio	Lower	Upper	
96	100		
61	139.7	105.9	158.9
98	60.4	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.835 ug/l

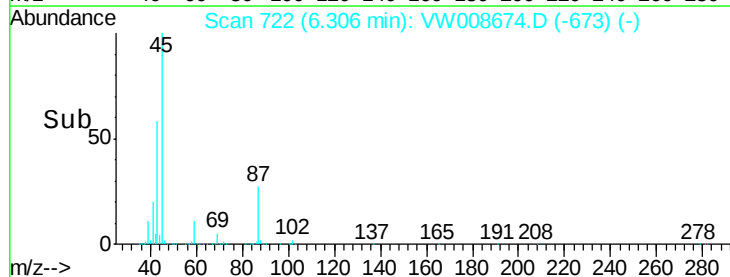
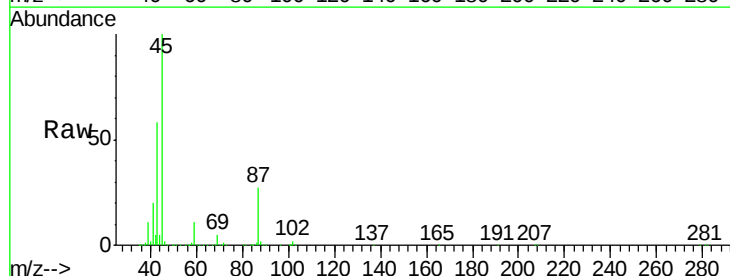
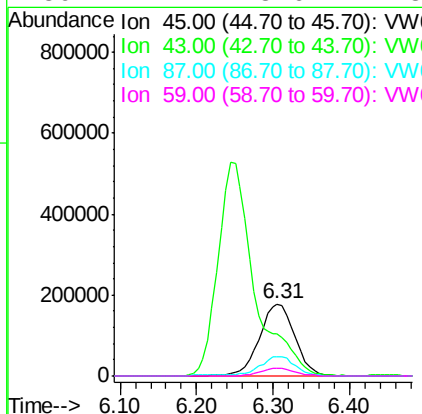
RT: 6.31 min Scan# 722

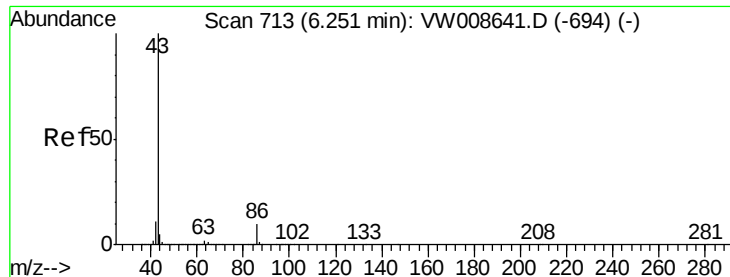
Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion:	45	Resp:	574095
Ion Ratio	Lower	Upper	
45	100		
43	57.5	46.1	69.1
87	26.9	20.5	30.7
59	11.2	8.6	12.8





#23

Vinyl Acetate

Concen: 229.441 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1750600

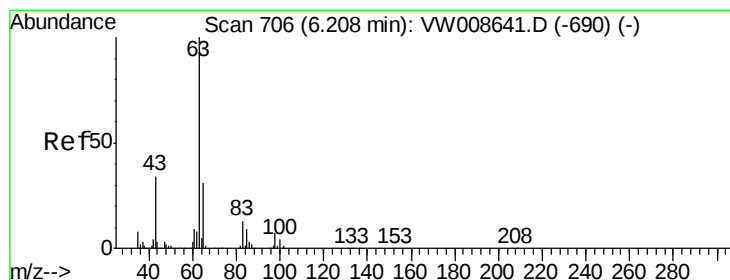
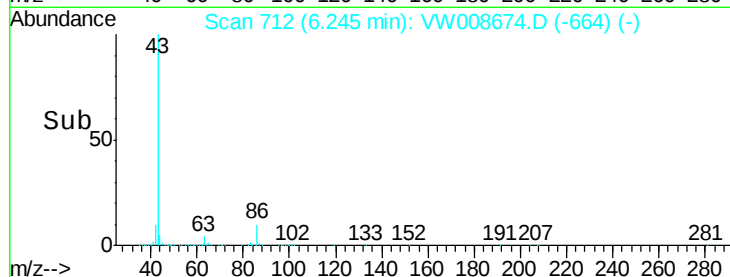
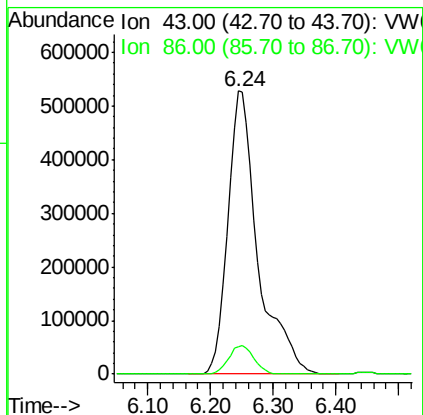
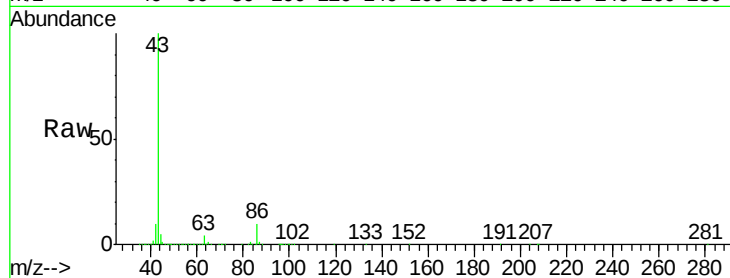
Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9

Manual Integrations
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2/18/2019 2:34:25 PM



#24

1,1-Dichloroethane

Concen: 52.754 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

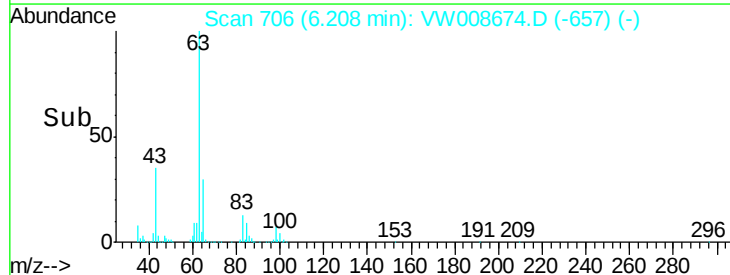
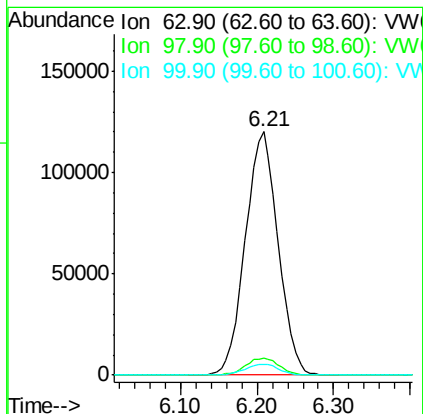
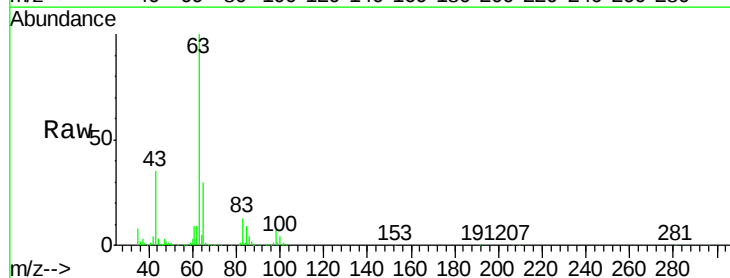
Tgt Ion: 63 Resp: 357866

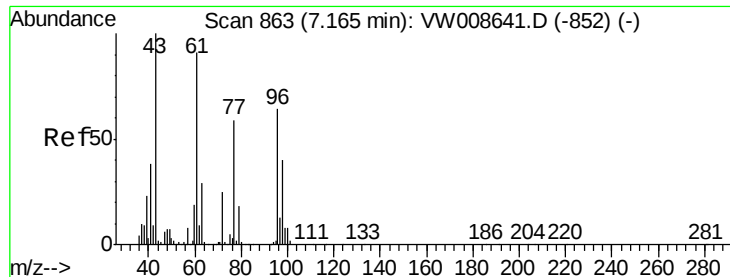
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 214.659 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 258230

Ion Ratio Lower Upper

43 100

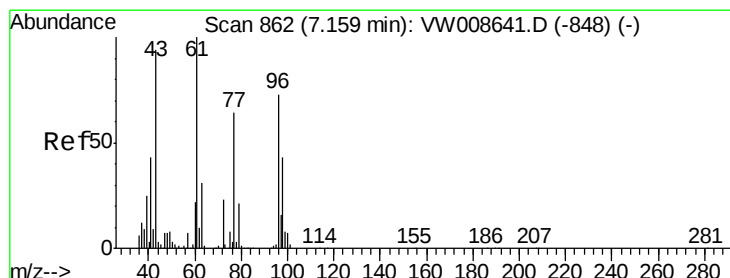
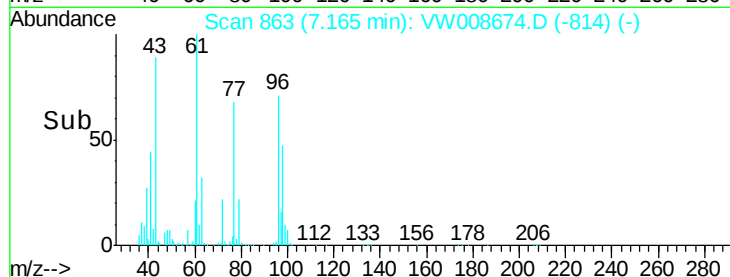
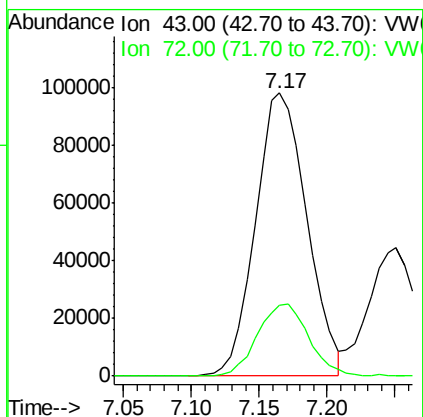
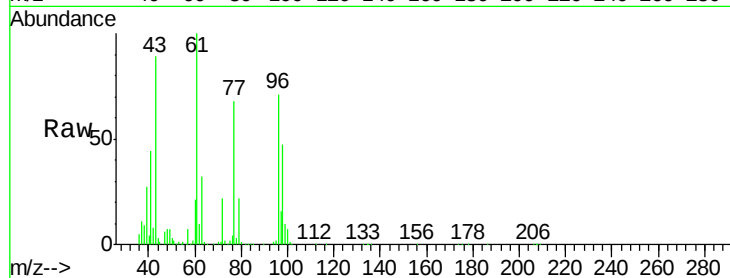
72 24.9 19.7 29.5

Manual Integrations

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2/18/2019 2:34:25 PM



#26

2,2-Dichloropropane

Concen: 54.940 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008674.D

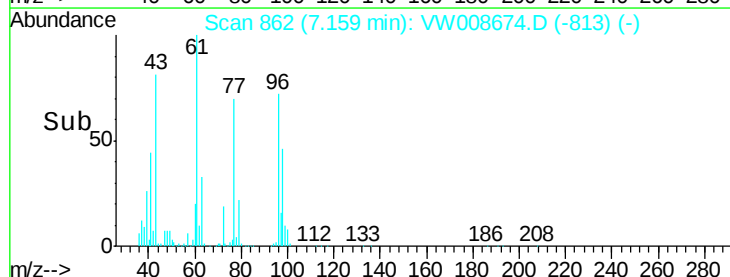
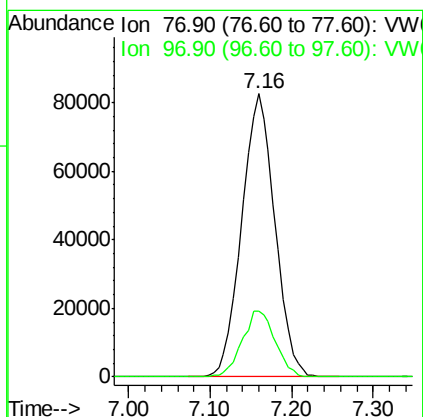
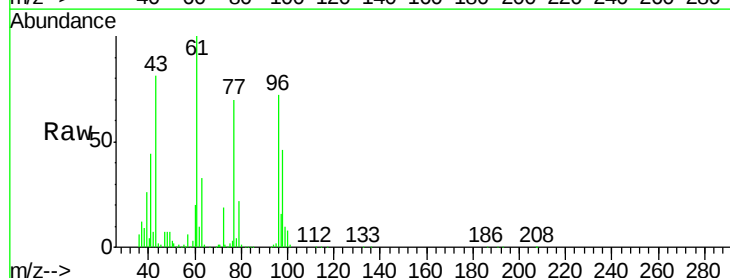
Acq: 15 Feb 2019 10:16

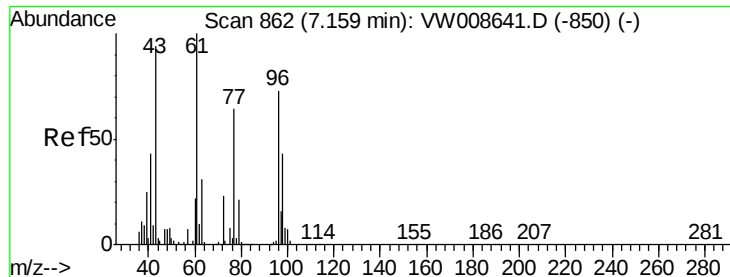
Tgt Ion: 77 Resp: 232827

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





#27

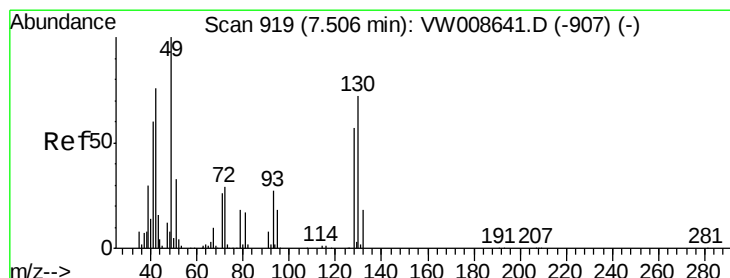
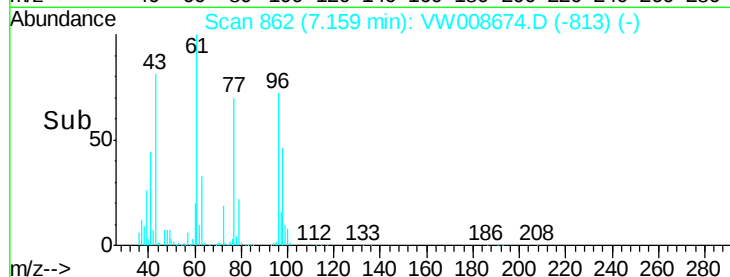
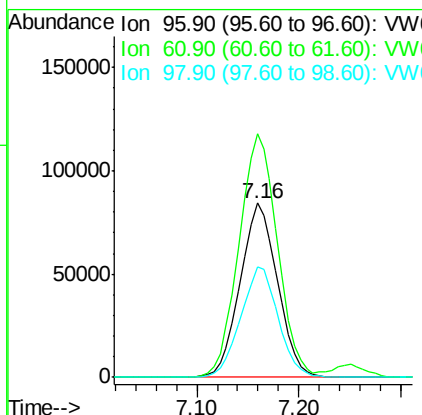
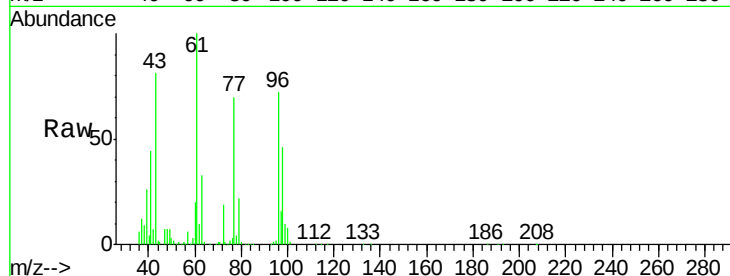
cis-1,2-Dichloroethene
Concen: 51.371 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	286.4
98	64.1	0.0	125.0

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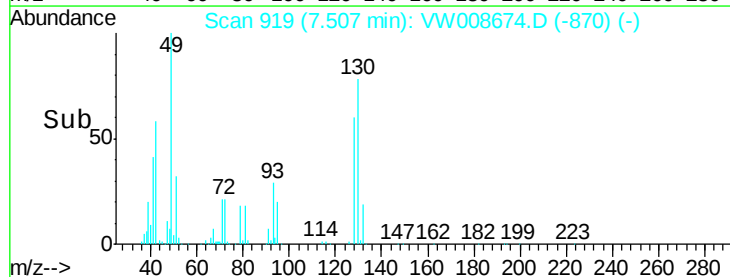
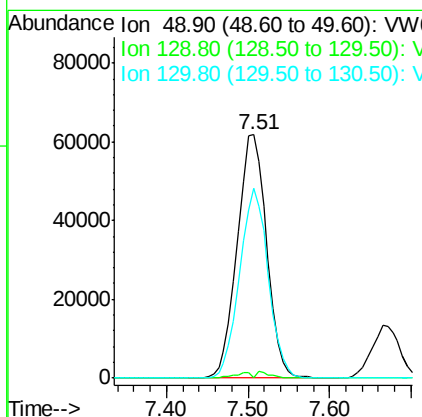
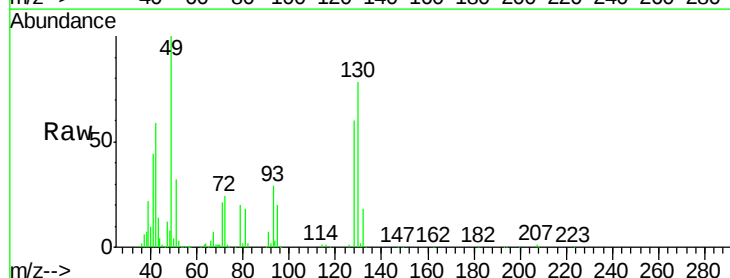
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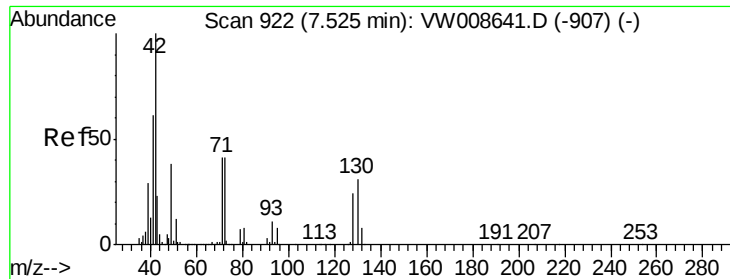


#28

Bromochloromethane
Concen: 54.076 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.2
130	75.8	59.4	89.0





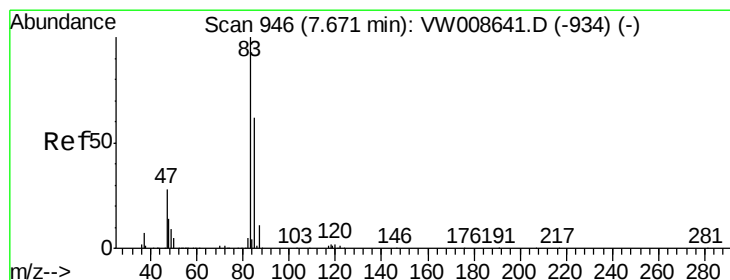
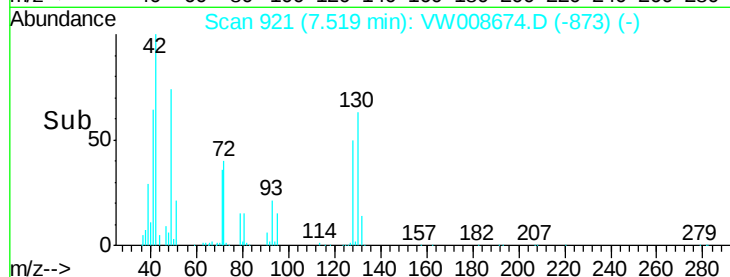
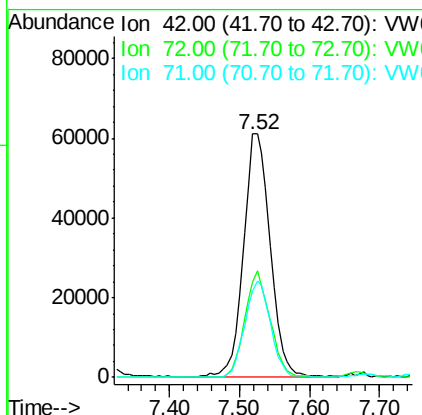
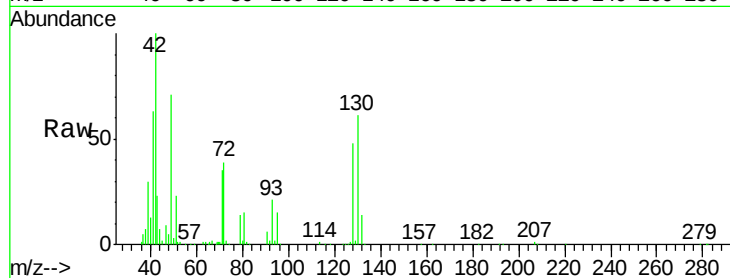
#29
Tetrahydrofuran
Concen: 204.932 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.2	48.2
71	38.0	31.0	46.6

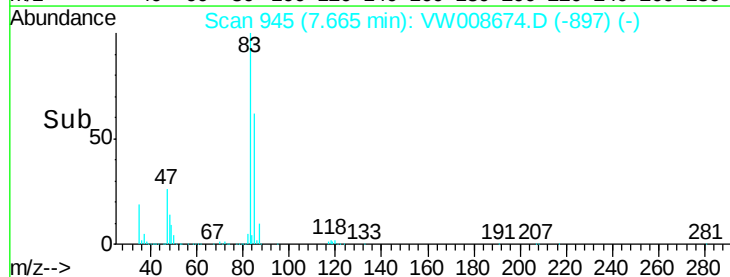
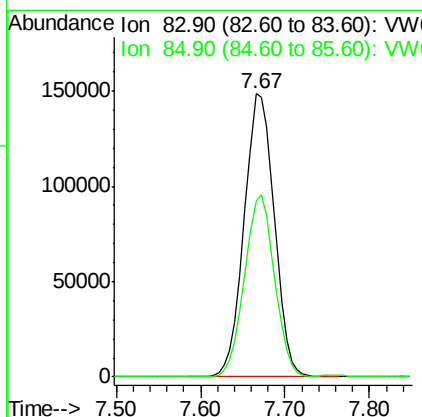
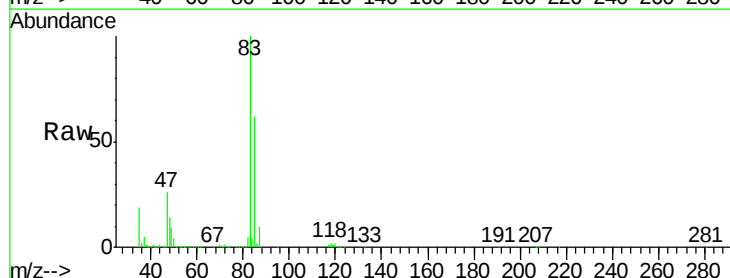
Manual Integrations
APPROVED

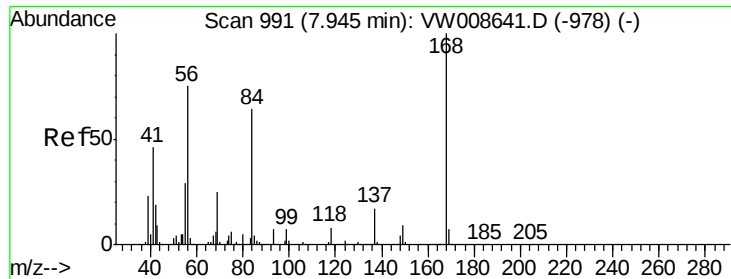
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#30
Chloroform
Concen: 52.771 ug/l
RT: 7.67 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	49.8	74.8





#31

Cyclohexane

Concen: 49.945 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

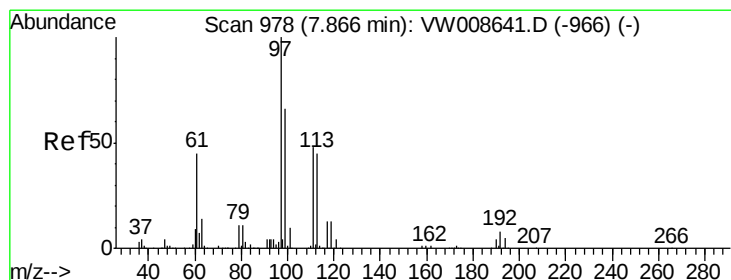
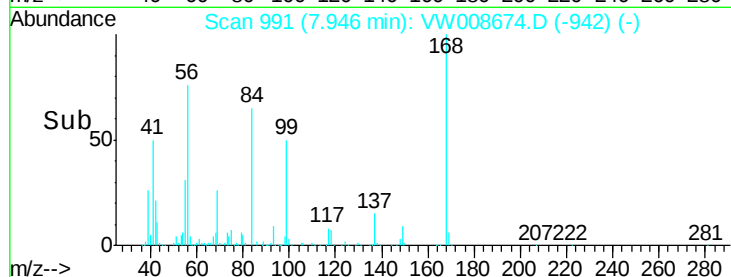
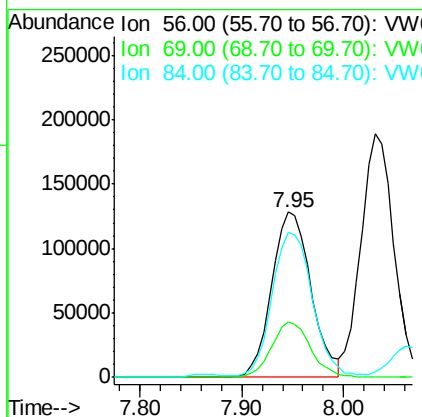
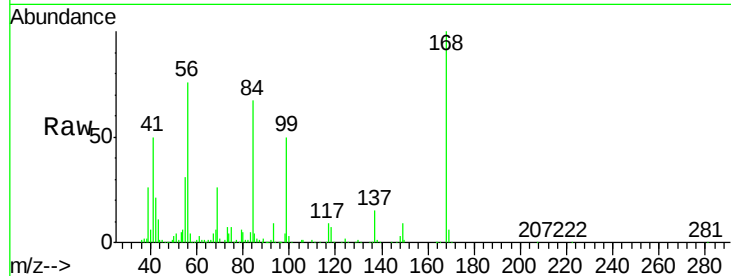
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	341971
Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.4	39.6
84	86.6	67.4	101.2

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#32

1,1,1-Trichloroethane

Concen: 54.540 ug/l

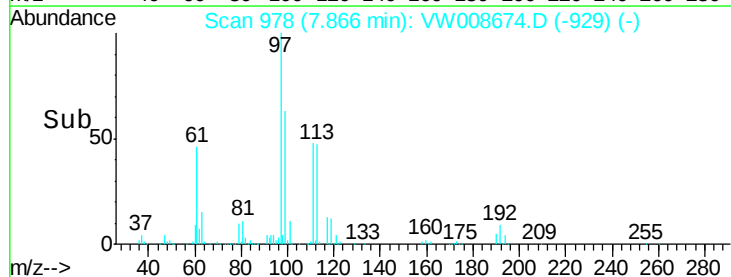
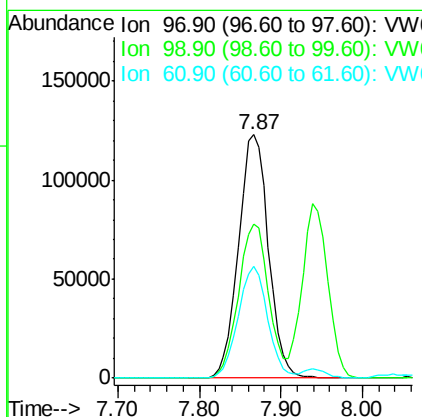
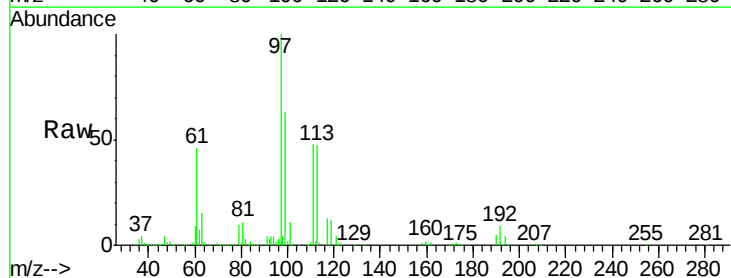
RT: 7.87 min Scan# 978

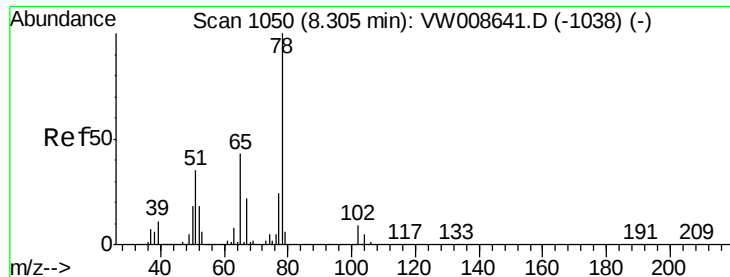
Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion:	97	Resp:	313094
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	45.0	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 49.911 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 186858

Ion Ratio Lower Upper

65 100

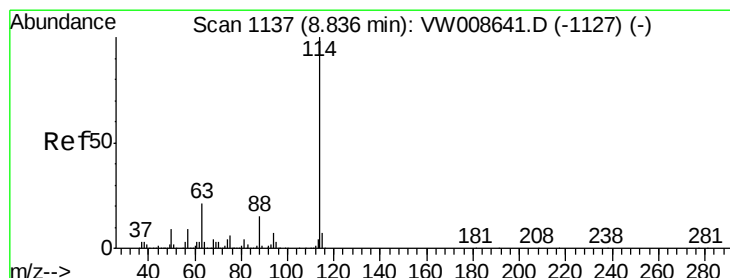
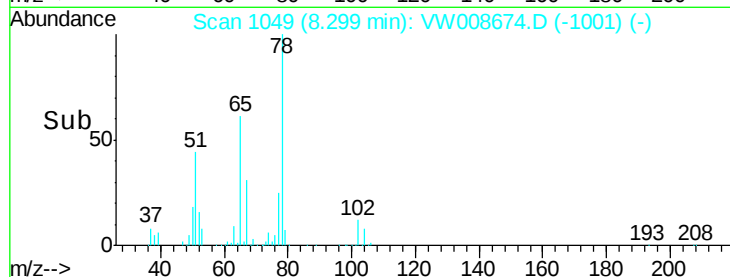
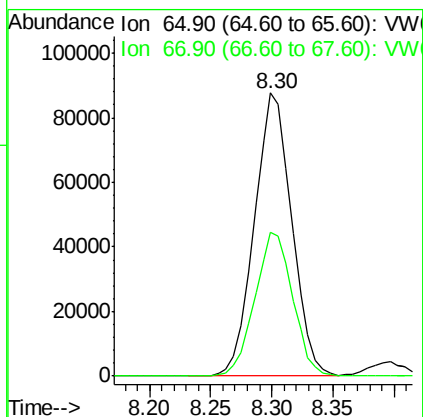
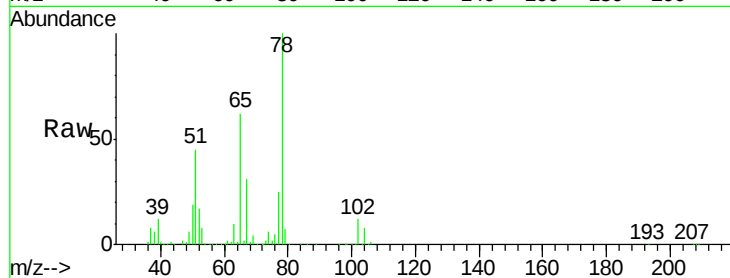
67 51.5 0.0 102.0

Manual Integrations

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2/18/2019 2:34:25 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

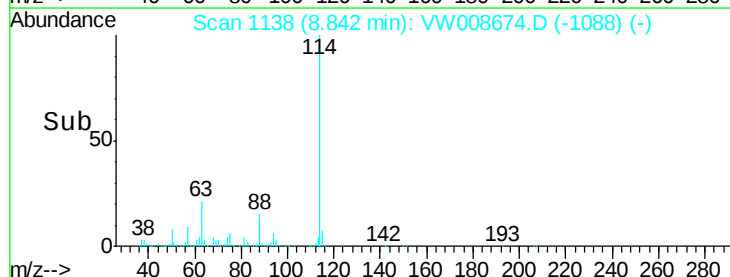
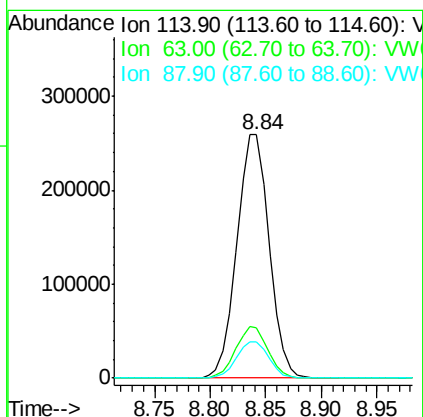
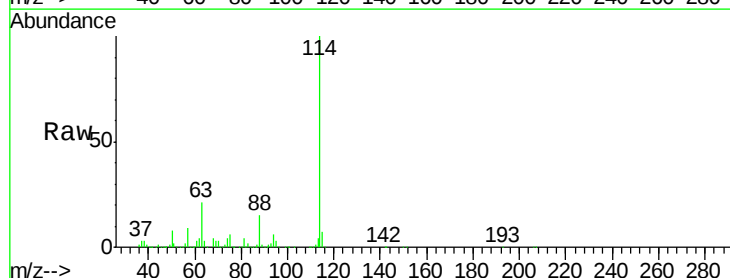
Tgt Ion: 114 Resp: 521319

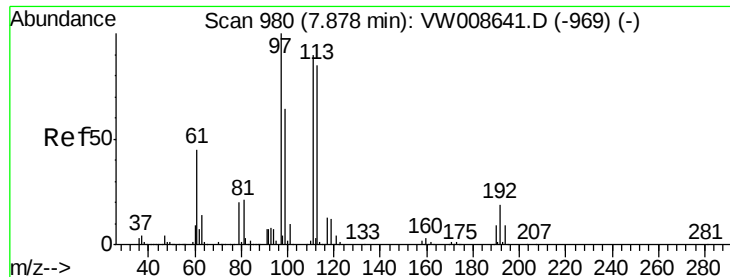
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

88 14.8 0.0 29.6





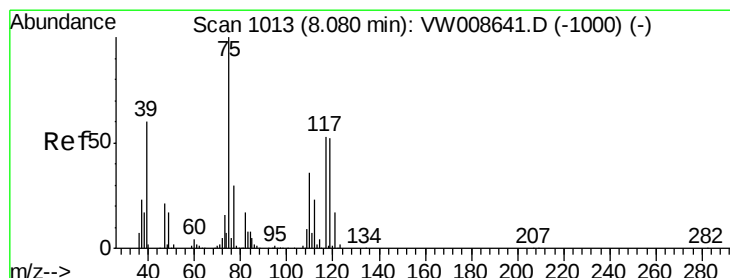
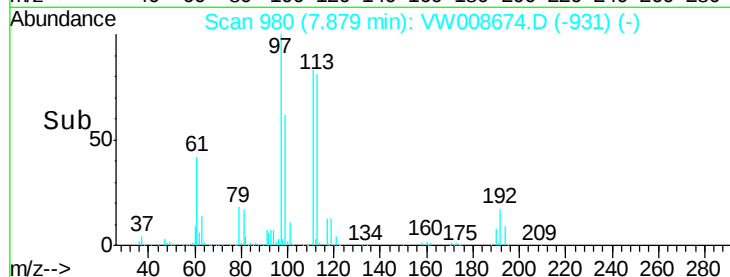
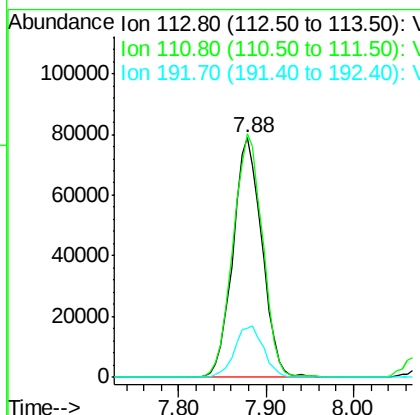
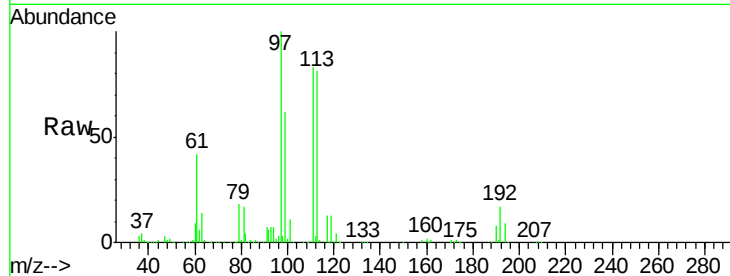
#35
 Dibromofluoromethane
 Concen: 56.131 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	84.0	126.0
192	21.6	17.4	26.2

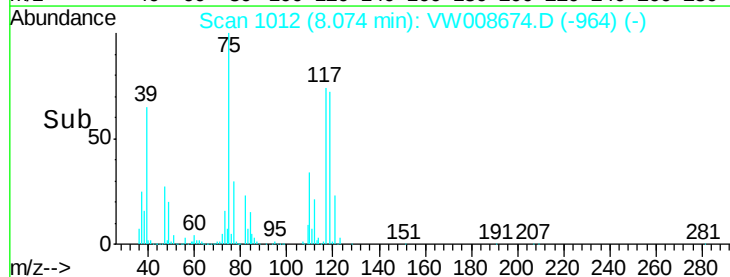
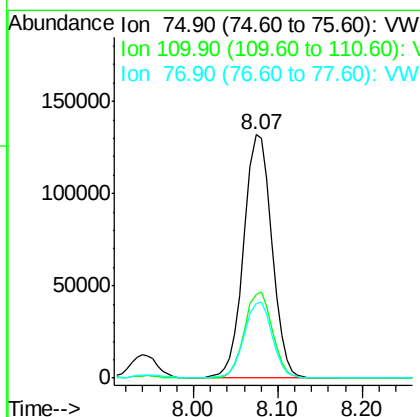
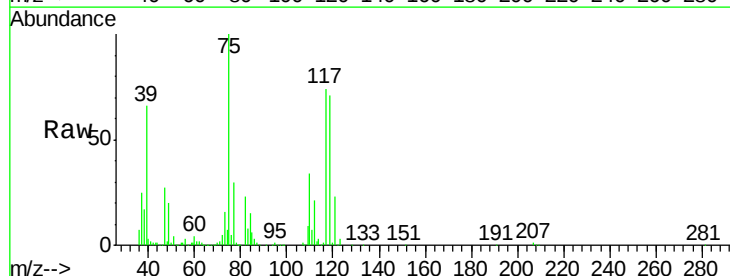
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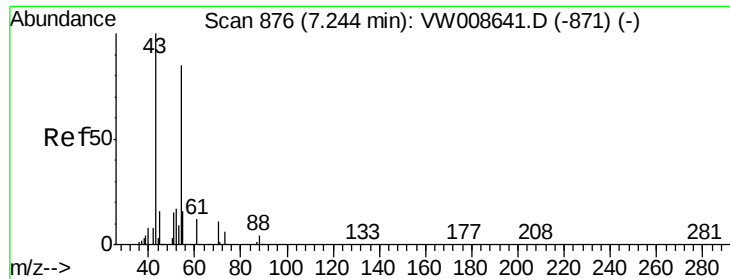
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 2/18/2019 2:34:25 PM



#36
 1,1-Dichloropropene
 Concen: 56.849 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.8	53.3
77	31.4	24.7	37.1





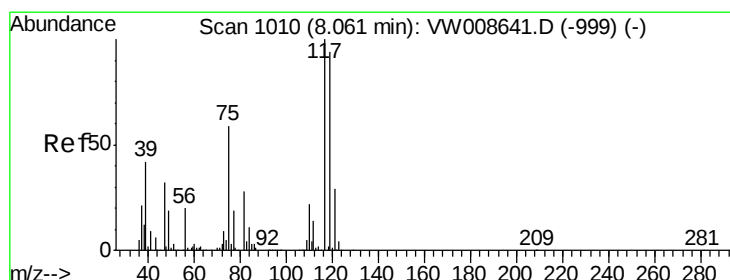
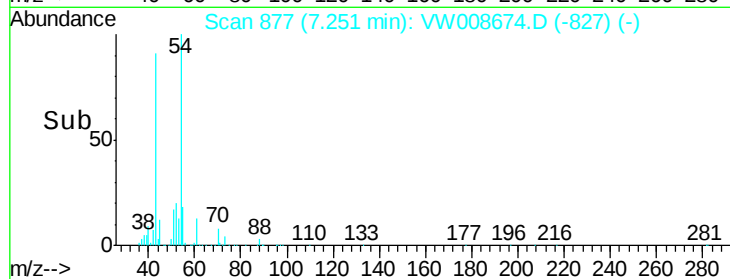
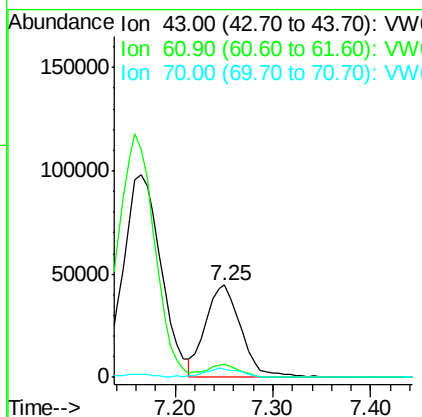
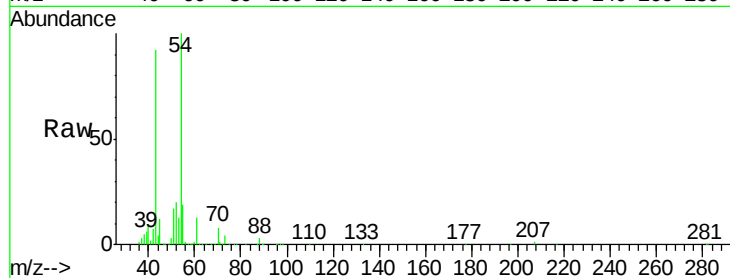
#37
Ethyl Acetate
Concen: 44.247 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.5	15.7
70	9.9	8.1	12.1

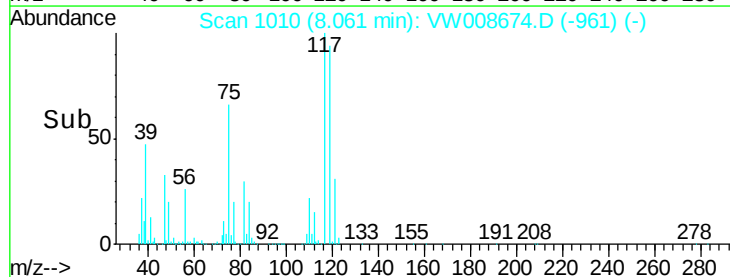
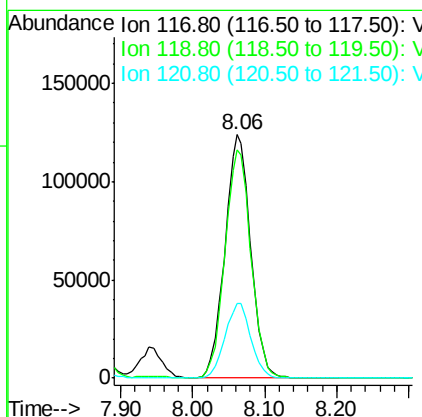
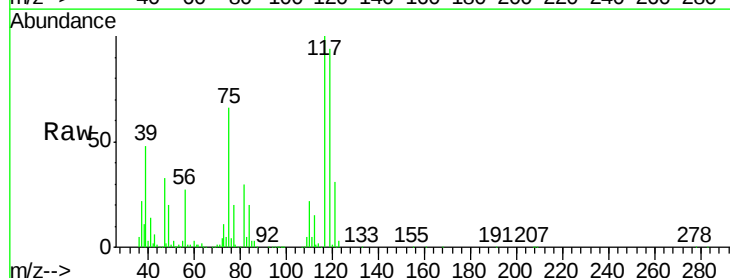
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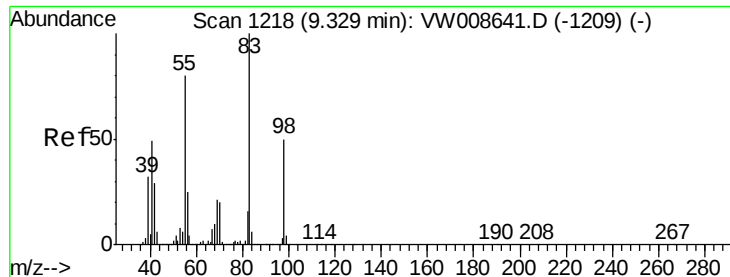
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#38
Carbon Tetrachloride
Concen: 58.991 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.1	112.7
121	30.6	23.5	35.3





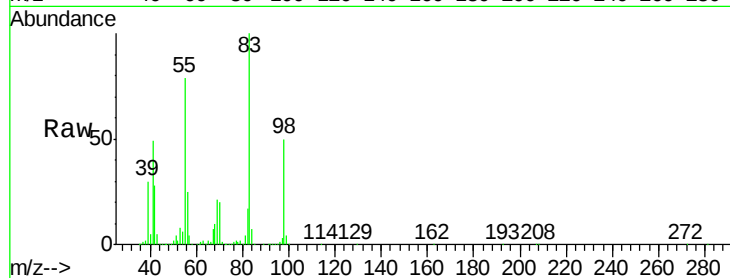
#39
Methvlcvclohexane
Concen: 56.518 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.9	95.9
98	50.2	40.2	60.2

Manual Integrations
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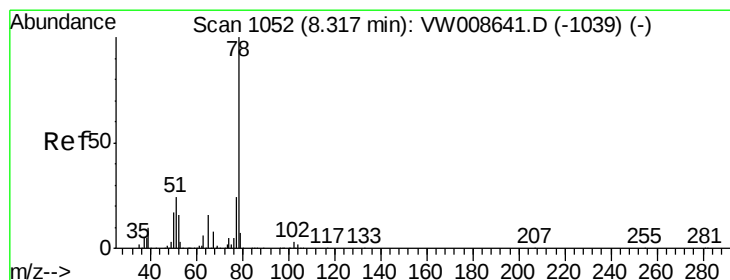
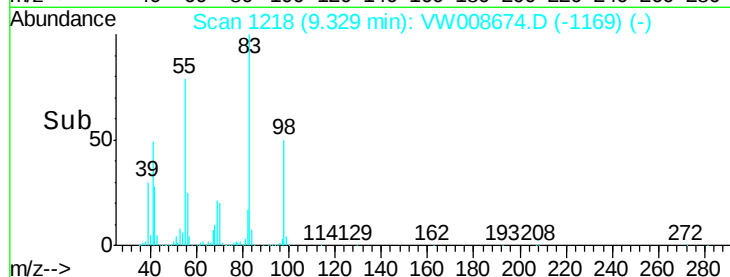
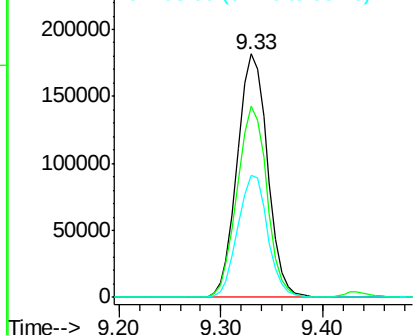


Abundance

Ion 83.00 (82.70 to 83.70): VW

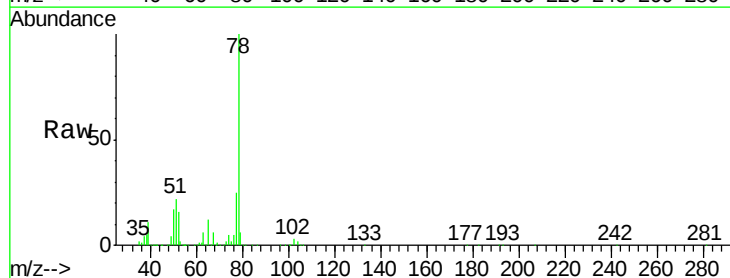
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40
Benzene
Concen: 54.848 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

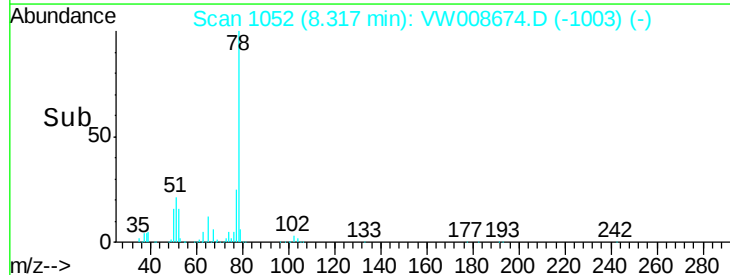
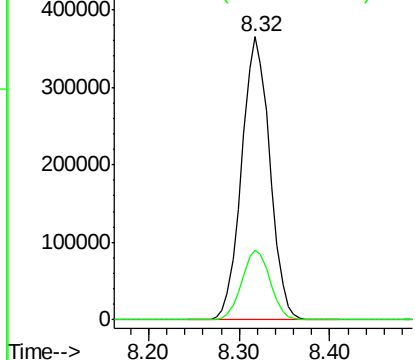
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3

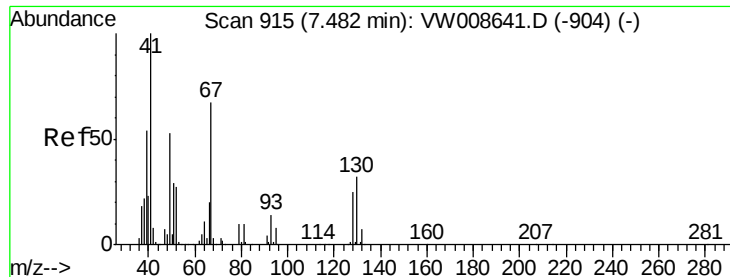


Abundance

Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





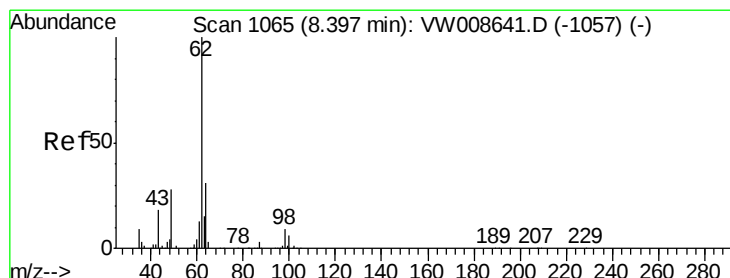
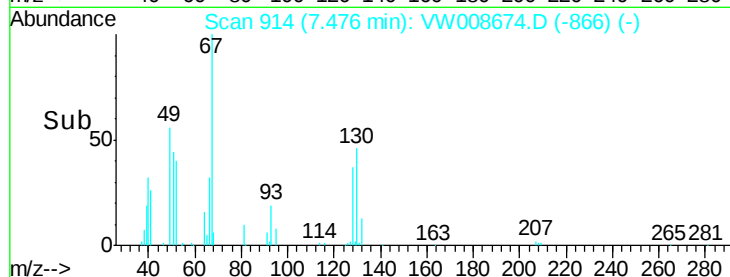
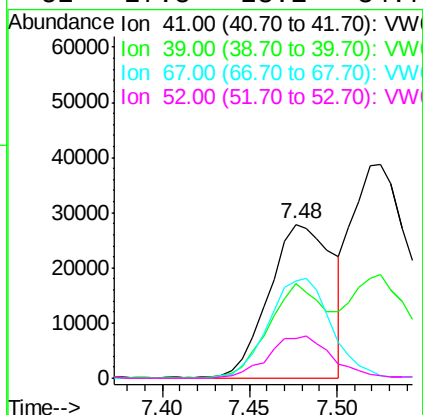
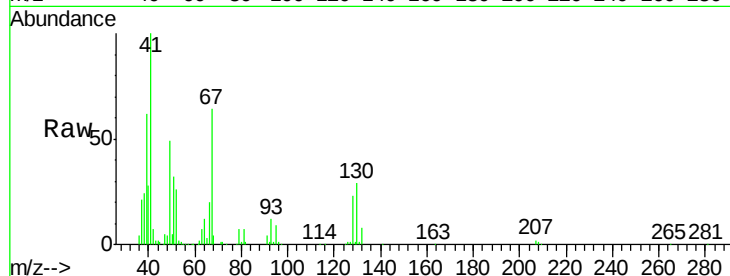
#41
Methacrylonitrile
Concen: 49.815 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.7	39.7	59.5
67	63.9	52.5	78.7
52	27.8	23.1	34.7

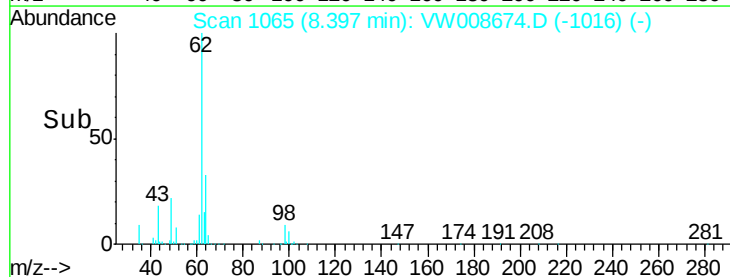
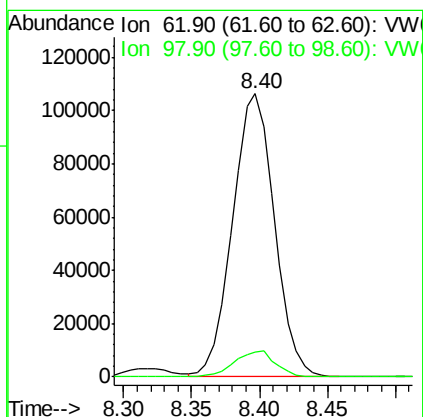
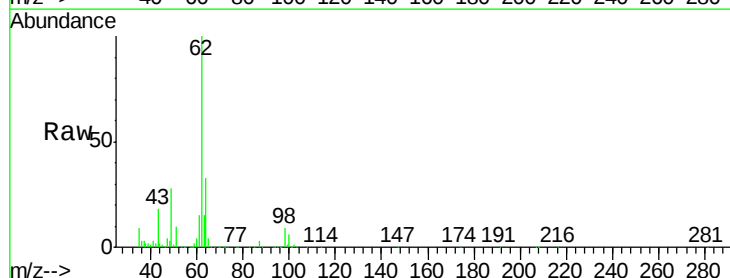
Manual Integrations
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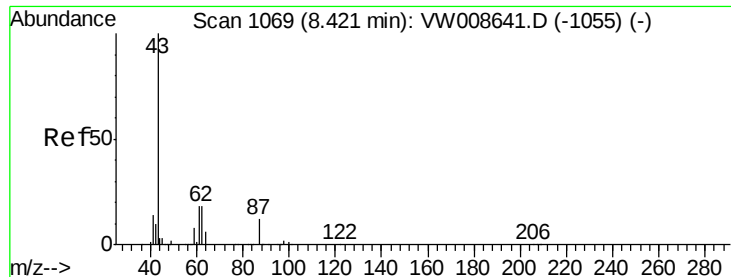
MMDadoda
2/18/2019 2:34:25 PM



#42
1,2-Dichloroethane
Concen: 51.348 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 45.391 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

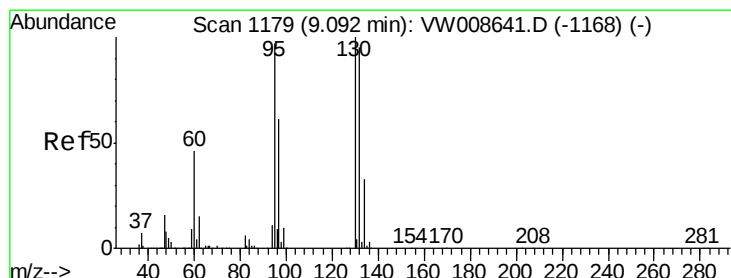
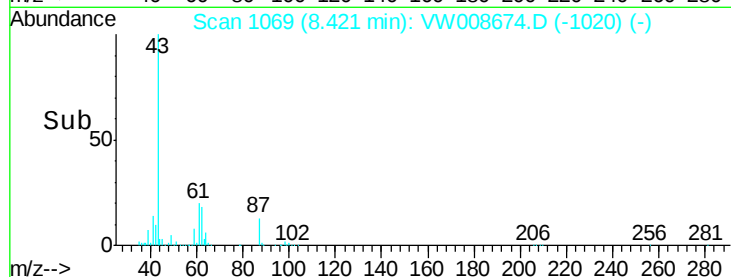
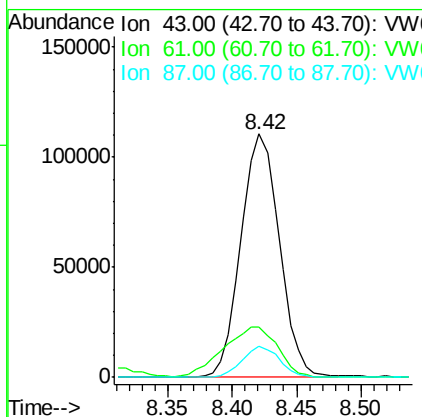
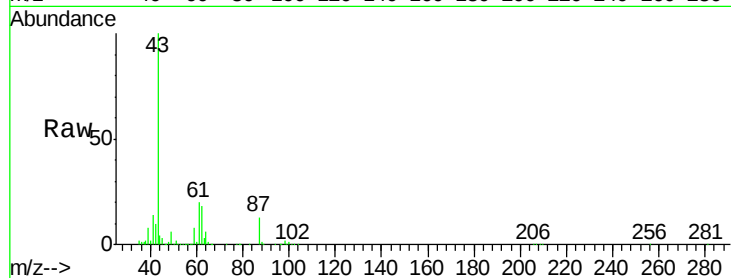
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	228675
Ion Ratio		Lower	Upper
43	100		
61	29.0	21.4	32.2
87	12.5	9.8	14.8

Manual Integrations
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MMDadoda
2/18/2019 2:34:25 PM



#44

Trichloroethene

Concen: 56.537 ug/l

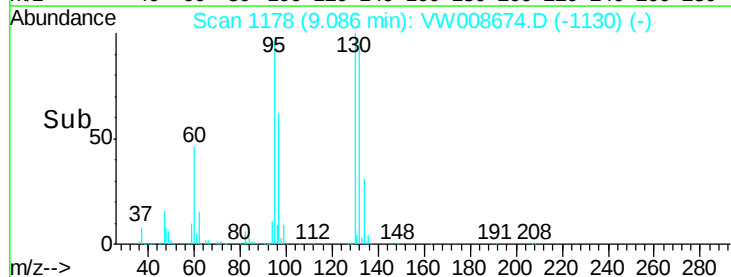
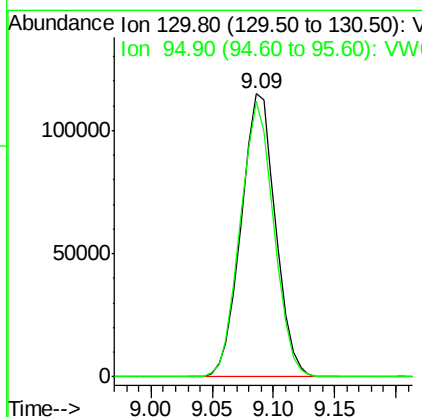
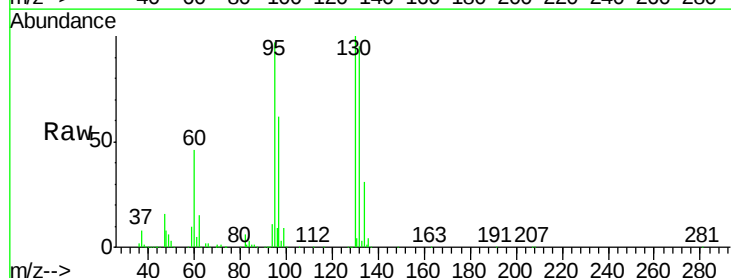
RT: 9.09 min Scan# 1178

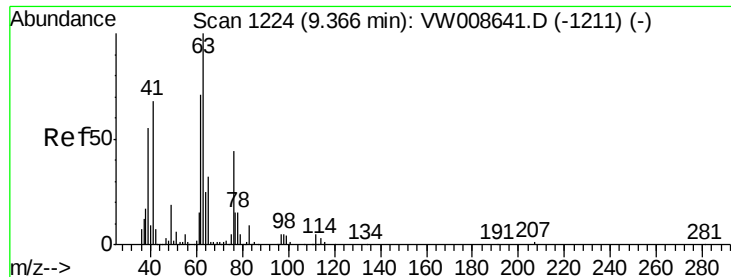
Delta R.T. -0.01 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion:	130	Resp:	224231
Ion Ratio		Lower	Upper
130	100		
95	97.4	0.0	193.4





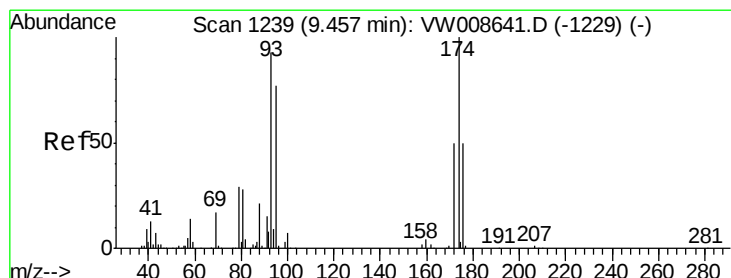
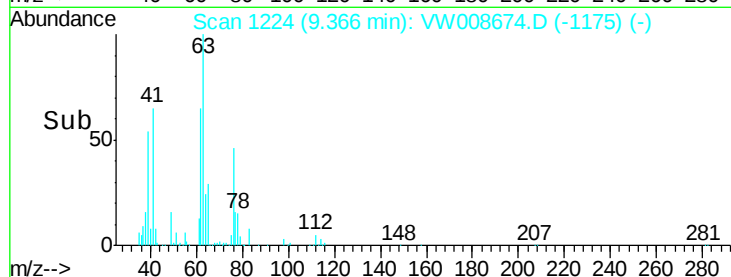
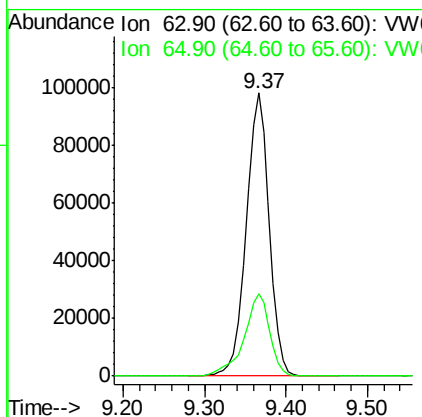
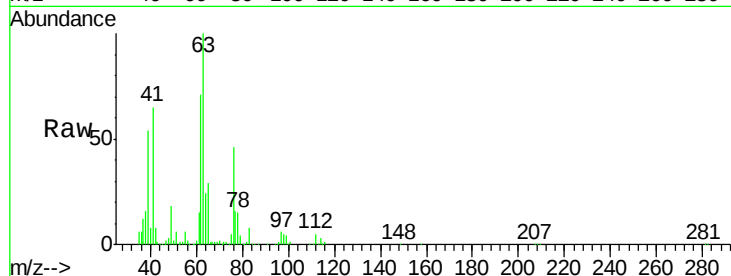
#45
 1,2-Dichloropropane
 Concen: 54.187 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	191825		
65	29.1		25.4	38.0

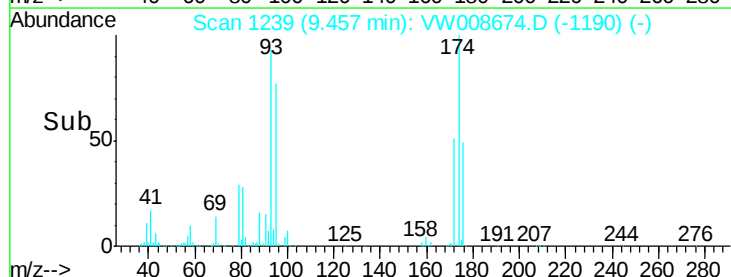
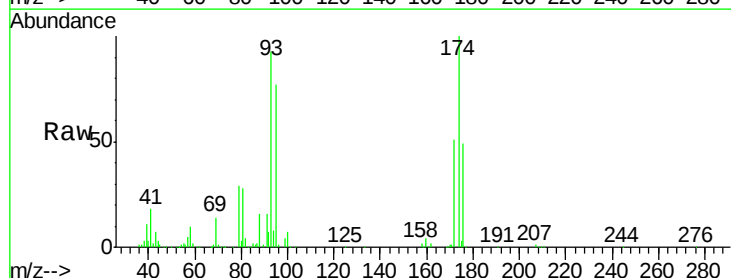
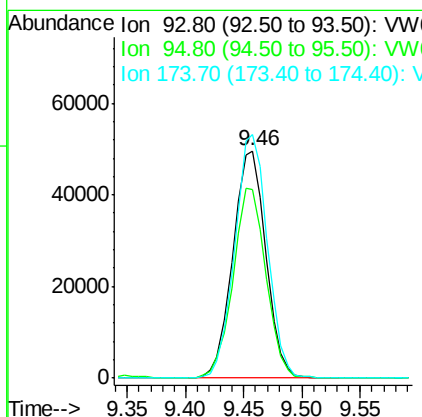
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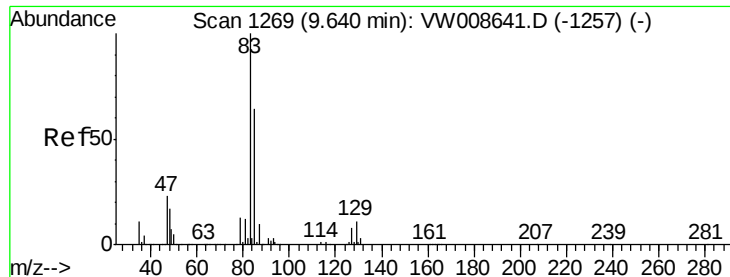
MMDadoda
 2/18/2019 2:34:25 PM



#46
 Dibromomethane
 Concen: 50.323 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	98135		
95	83.3		65.8	98.8
174	106.2		82.5	123.7





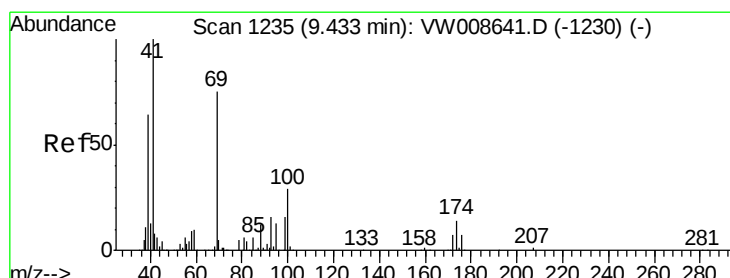
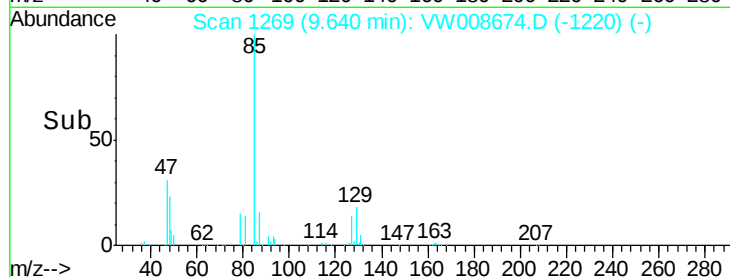
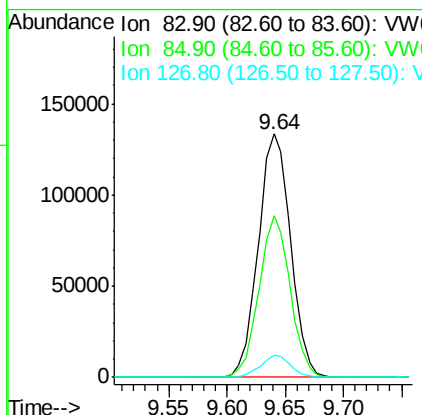
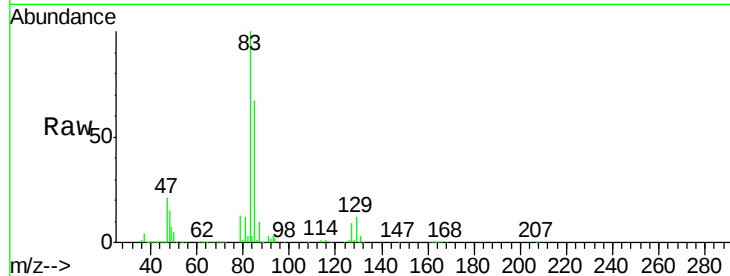
#47
Bromodichloromethane
Concen: 54.987 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	257705		
85	66.7		51.2	76.8
127	9.1		6.4	9.6

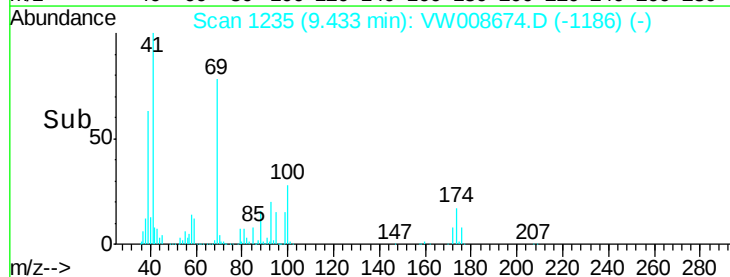
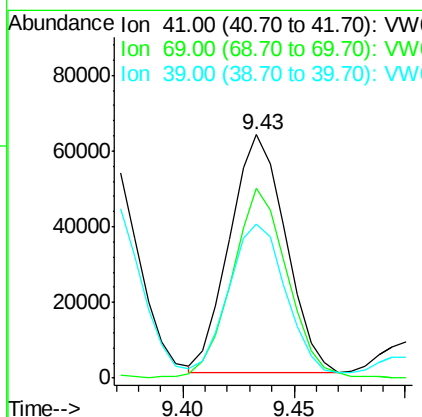
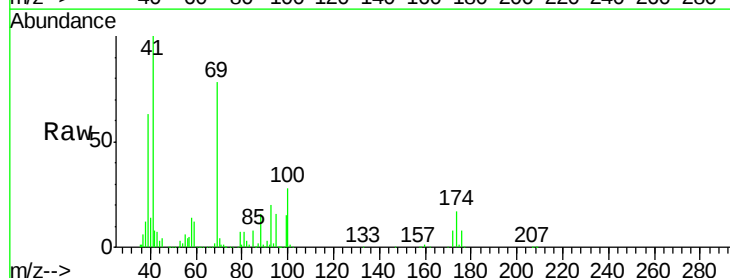
Manual Integrations
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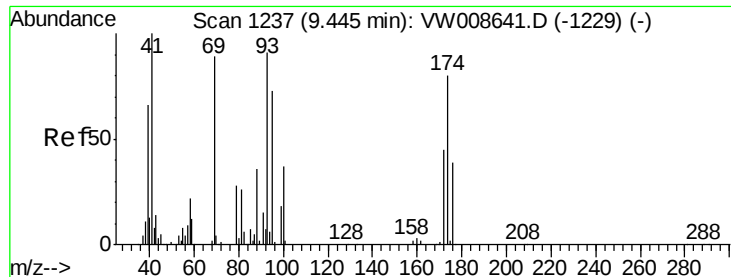
MMDadoda
2/18/2019 2:34:25 PM



#48
Methyl methacrylate
Concen: 46.880 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	109452		
69	79.2		64.1	96.1
39	63.0		52.3	78.5





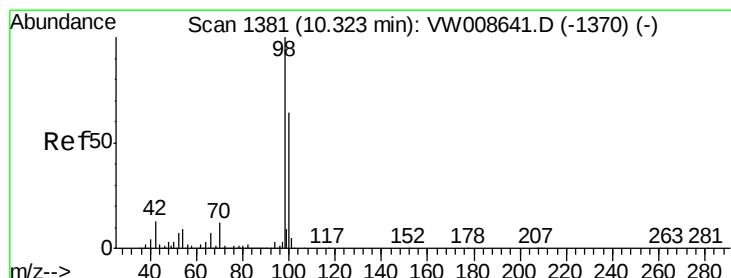
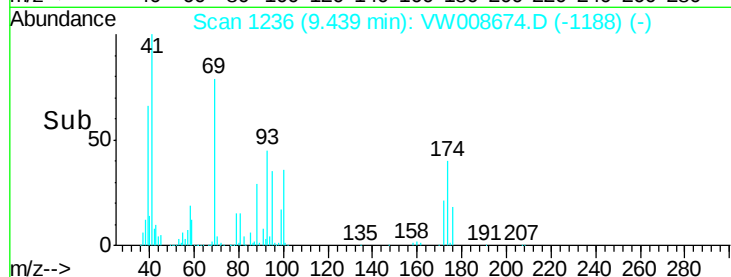
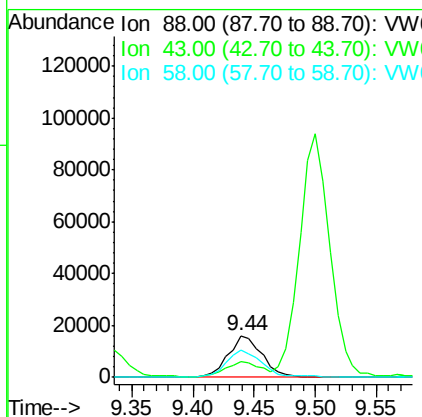
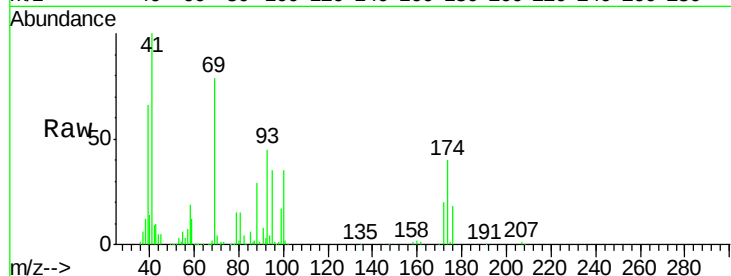
#49
1,4-Dioxane
Concen: 993.672 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	31.0	46.6
58	67.4	57.0	85.6

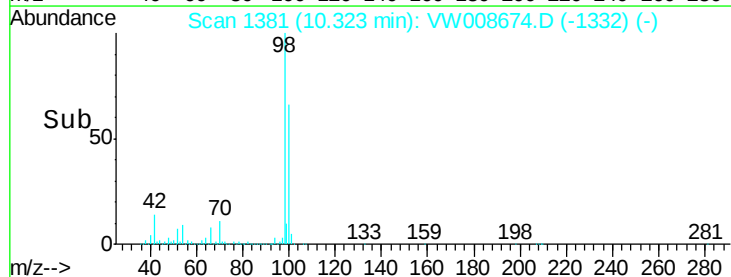
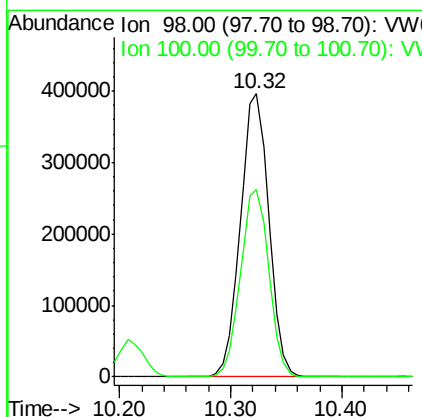
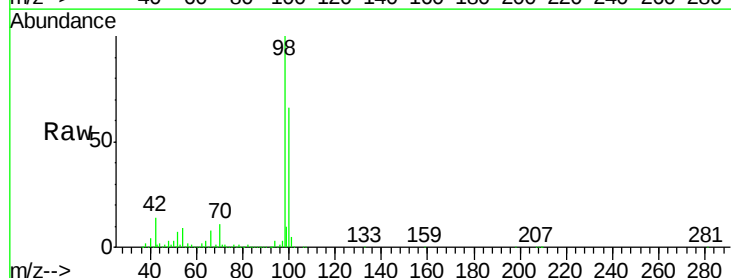
Manual Integrations
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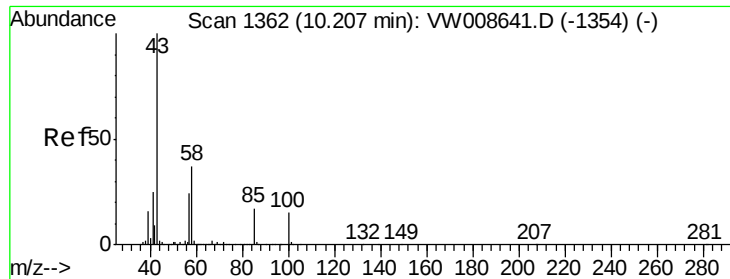
MMDadoda
2/18/2019 2:34:25 PM



#50
Toluene-d8
Concen: 56.243 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 218.510 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 565486

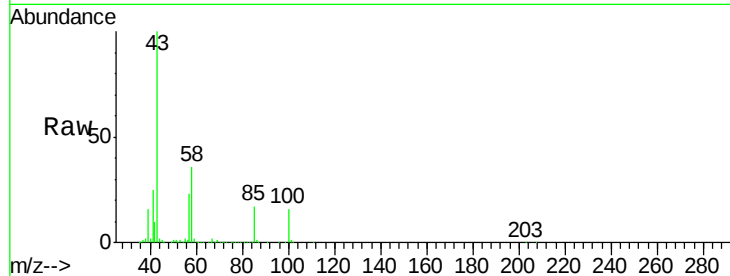
Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.6

Manual Integrations
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MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

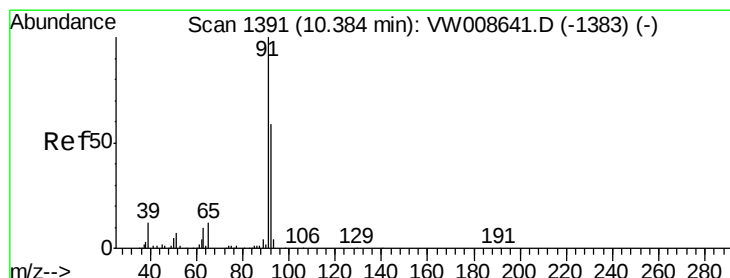
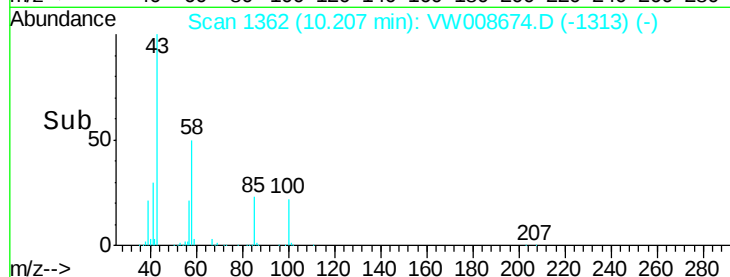
300000

200000

100000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 55.071 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008674.D

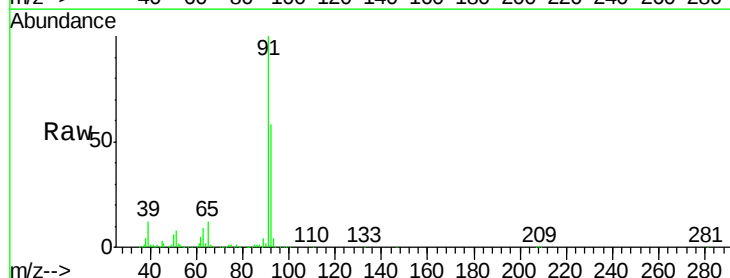
Acq: 15 Feb 2019 10:16

Tgt Ion: 92 Resp: 508196

Ion Ratio Lower Upper

92 100

91 171.8 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

600000

500000

400000

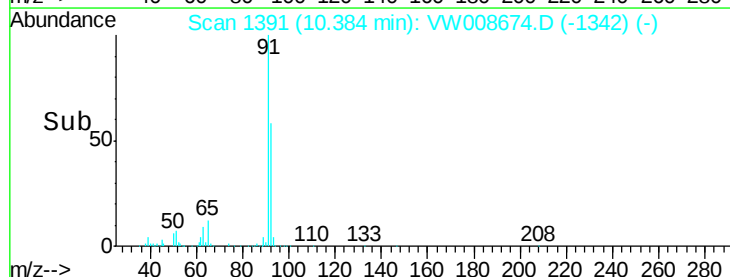
300000

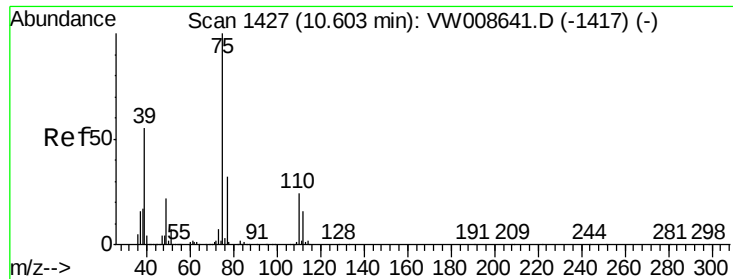
200000

100000

0

Time--> 10.30 10.40 10.50





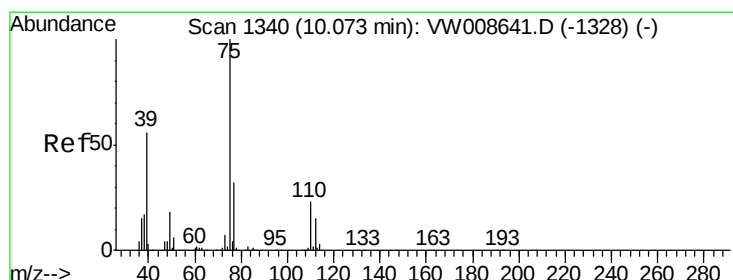
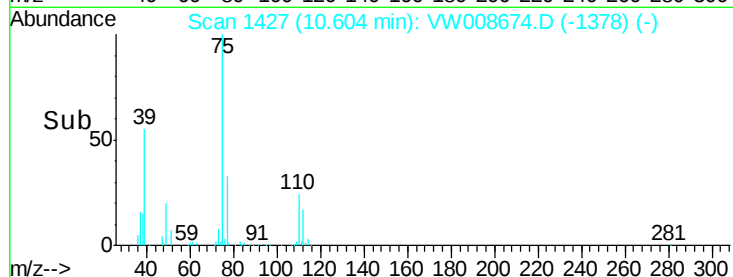
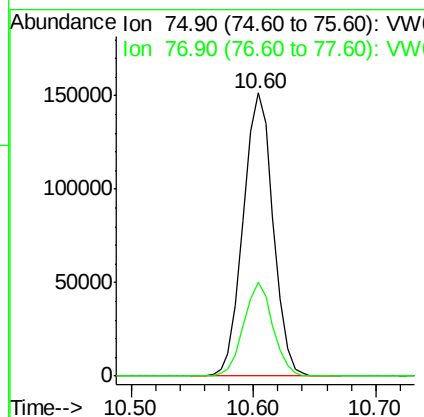
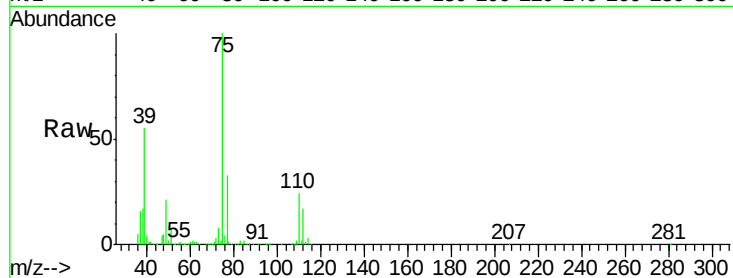
#53
t-1,3-Dichloropropene
Concen: 52.257 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.7	38.5

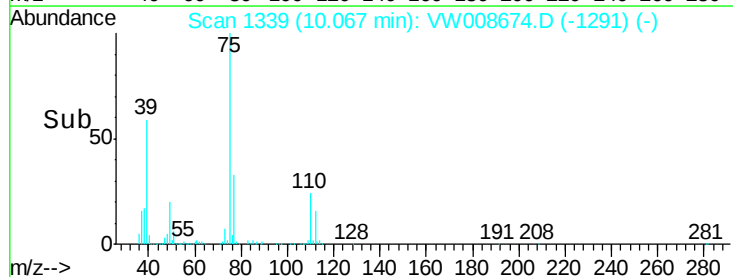
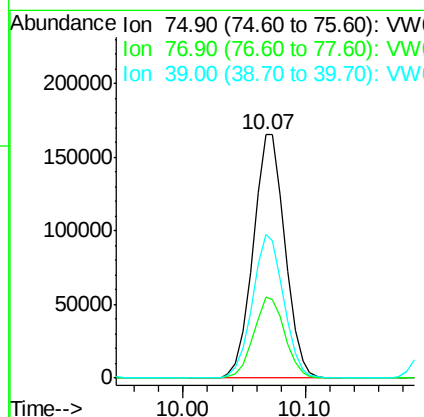
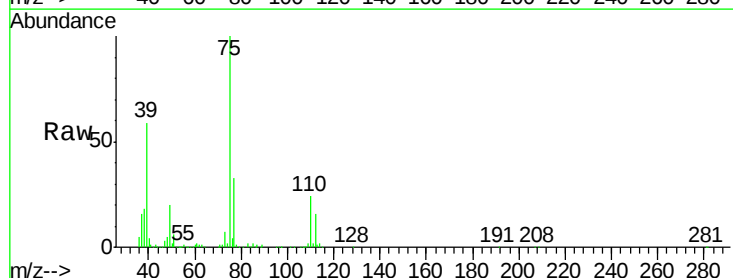
Manual Integrations
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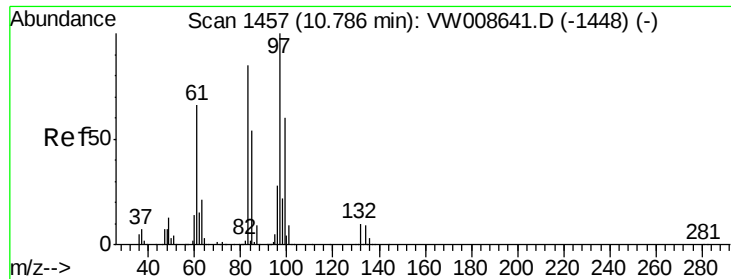
MMDadoda
2/18/2019 2:34:25 PM



#54
cis-1,3-Dichloropropene
Concen: 53.813 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.0
39	59.1	44.5	66.7





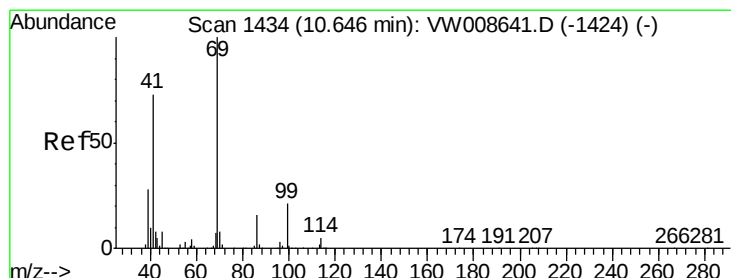
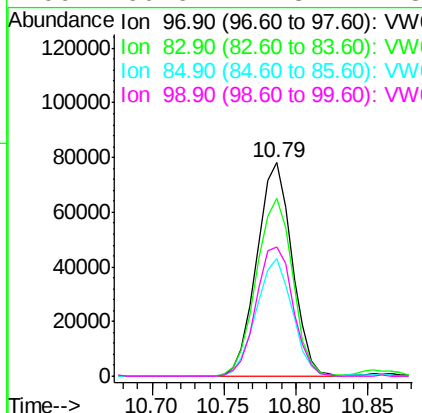
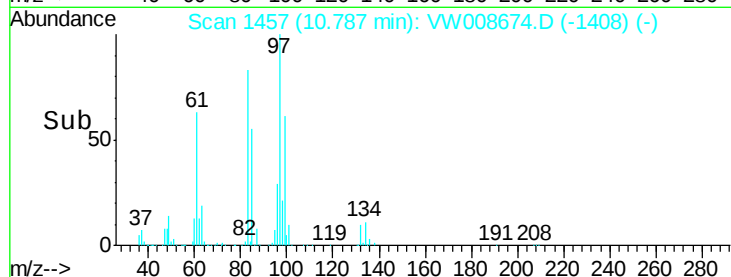
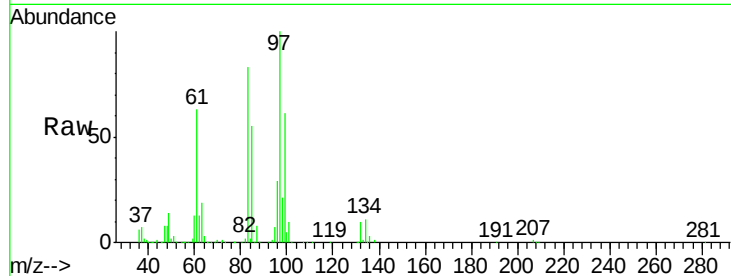
#55
 1,1,2-Trichloroethane
 Concen: 49.480 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		132397		
83	83.4	68.4	102.6		
85	54.9	43.1	64.7		
99	60.6	47.8	71.8		

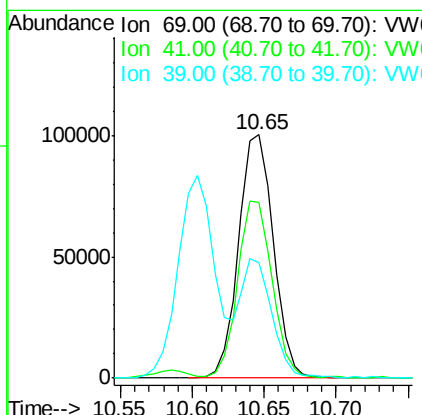
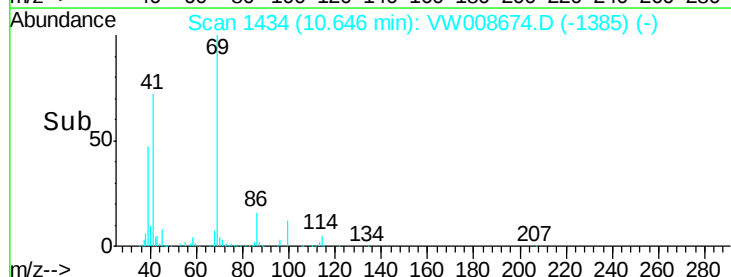
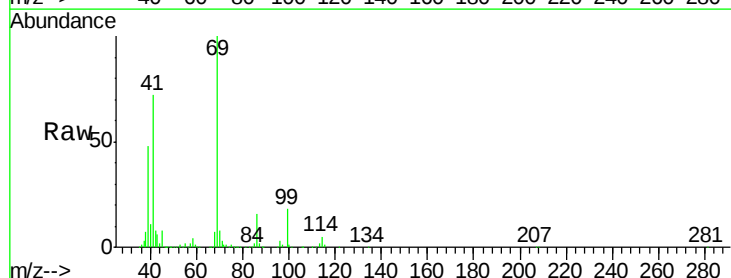
Manual Integrations
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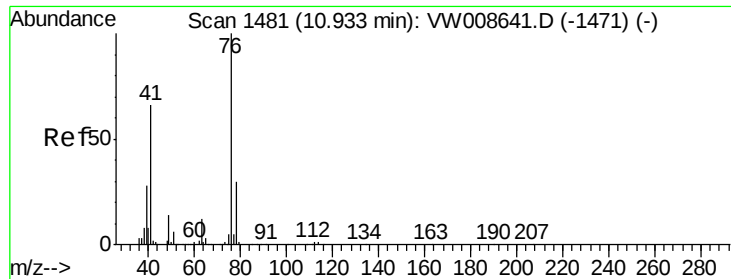
MMDadoda
 2/18/2019 2:34:25 PM



#56
 Ethyl methacrylate
 Concen: 47.351 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		168239		
41	71.3	59.0	88.4		
39	42.0	34.4	51.6		





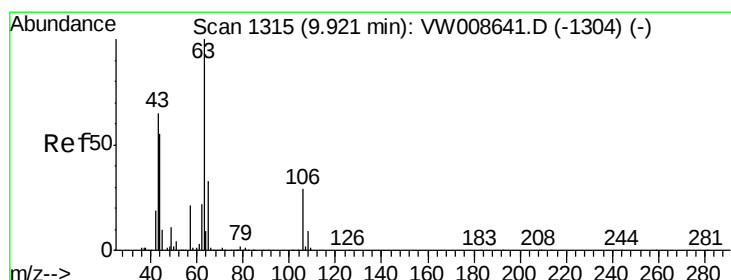
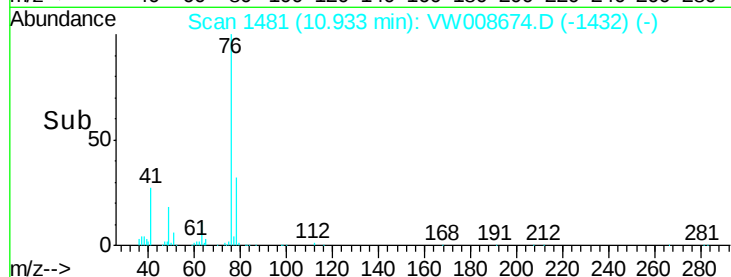
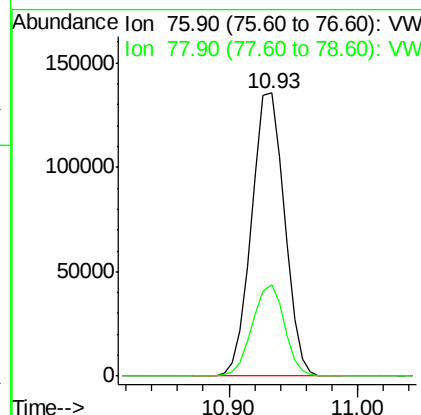
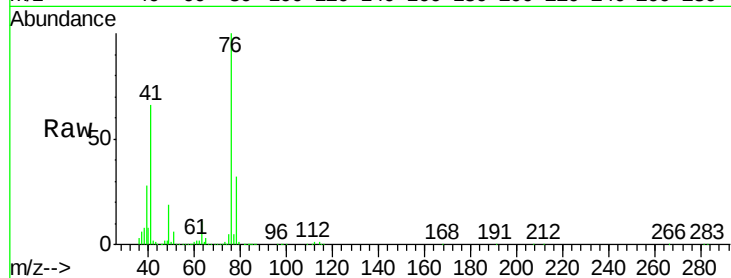
#57
 1,3-Dichloropropane
 Concen: 50.436 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 239443
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.4 38.0

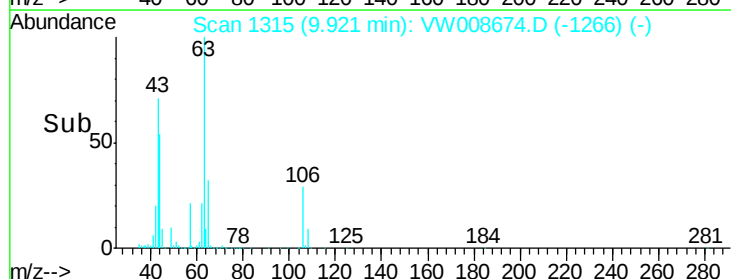
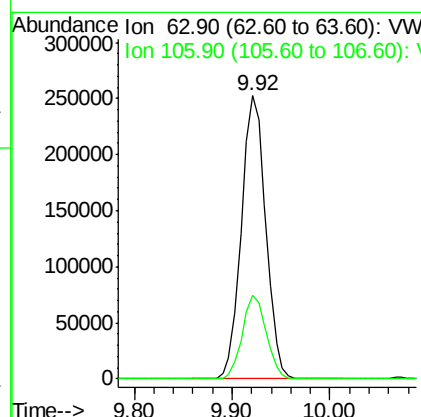
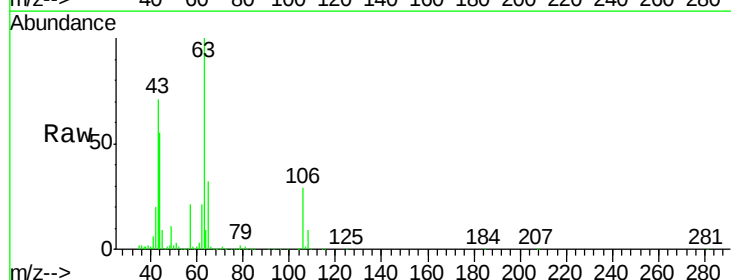
Manual Integrations
 APPROVED

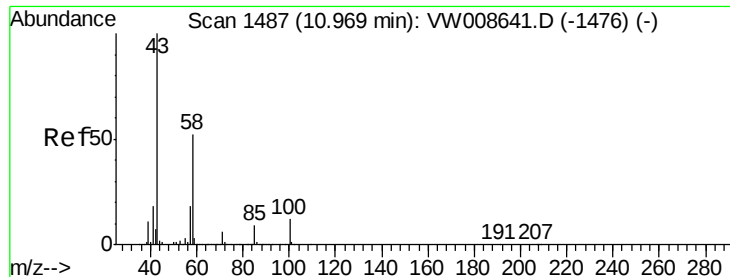
MMDadoda
 2/18/2019 2:34:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.033 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Tgt Ion: 63 Resp: 436385
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.4 35.2





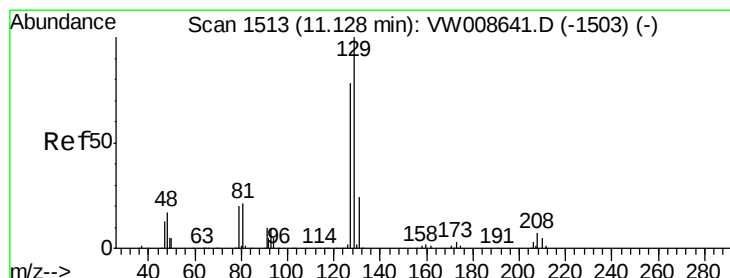
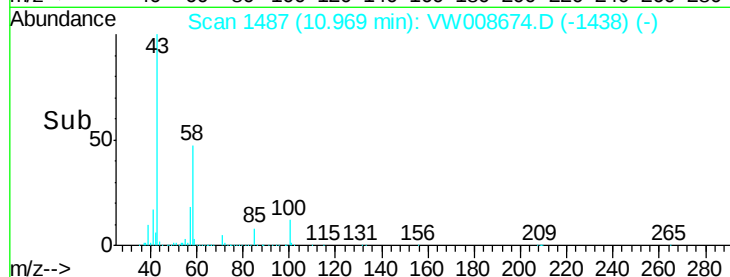
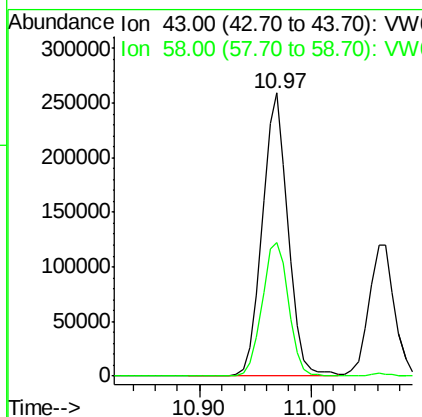
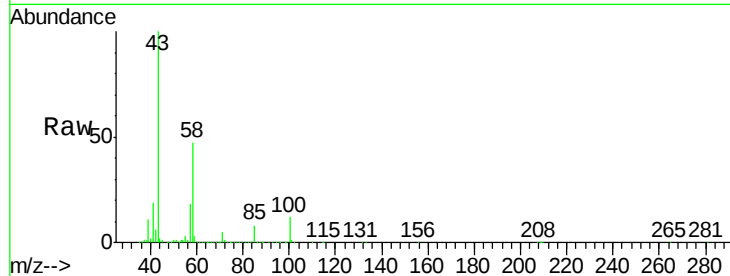
#59
2-Hexanone
Concen: 229.107 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 416519
Ion Ratio Lower Upper
43 100
58 49.0 25.6 76.6

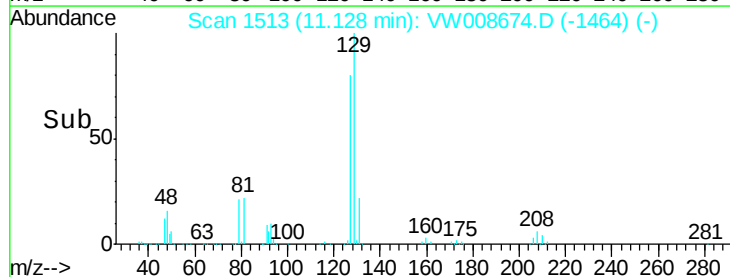
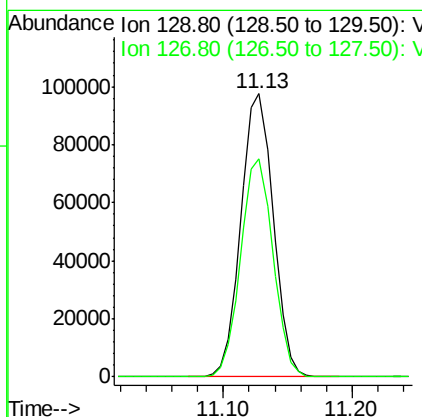
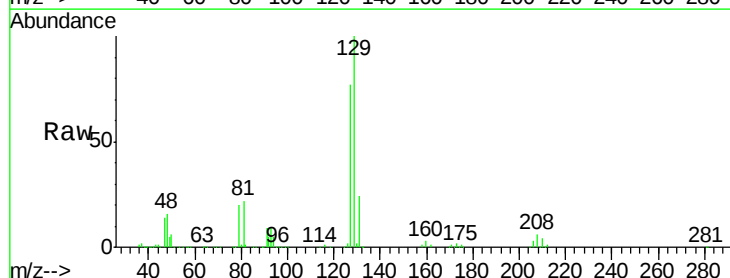
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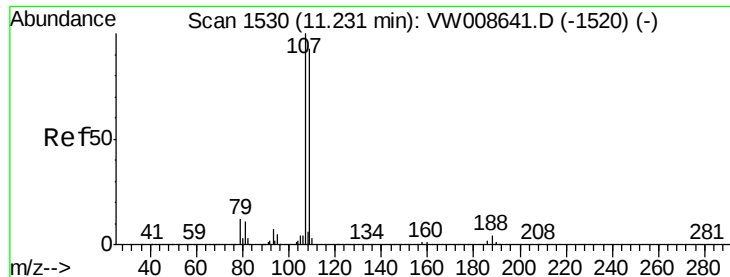
MMDadoda
2/18/2019 2:34:25 PM



#60
Dibromochloromethane
Concen: 53.002 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion: 129 Resp: 169689
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





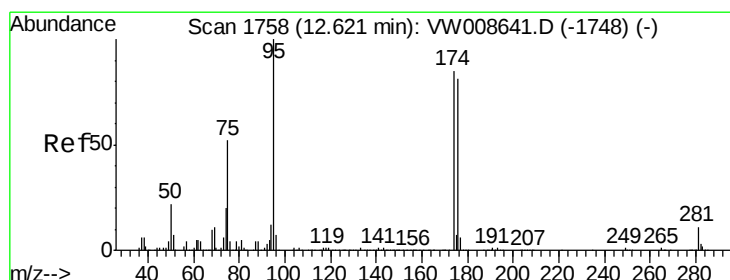
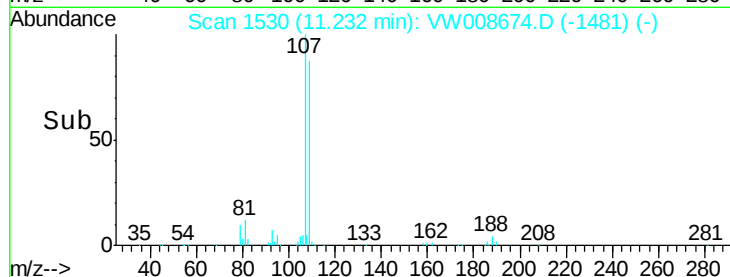
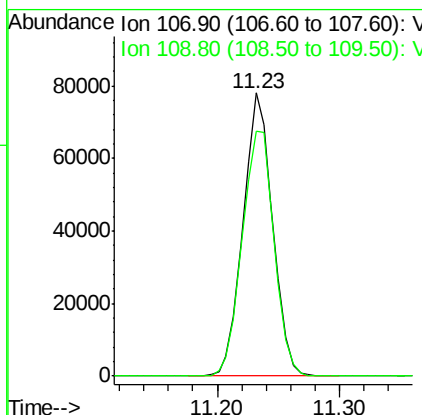
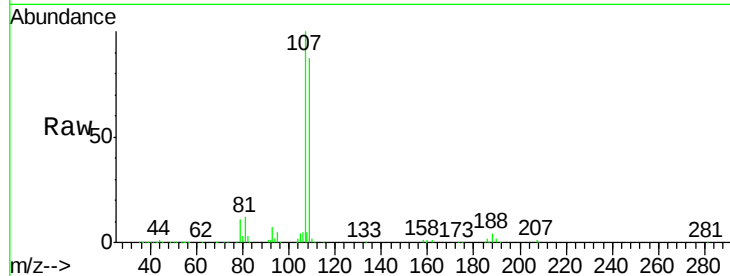
#61
 1,2-Dibromoethane
 Concen: 49.573 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.8	112.2

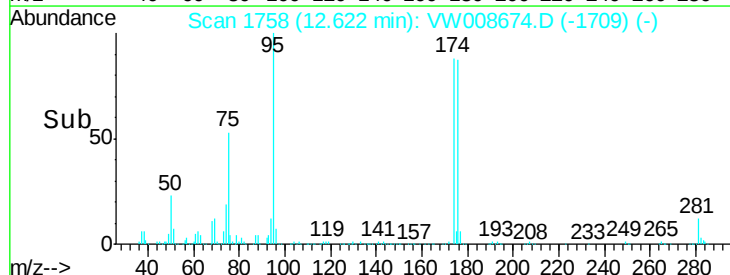
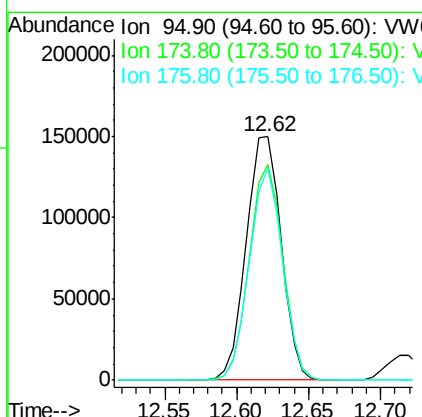
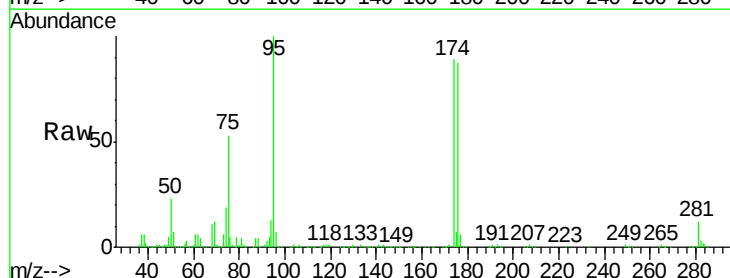
Manual Integrations
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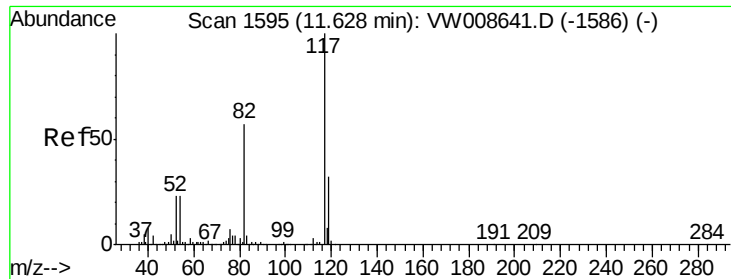
MMDadoda
 2/18/2019 2:34:25 PM



#62
 4-Bromofluorobenzene
 Concen: 53.578 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	163.2
176	82.2	0.0	158.0





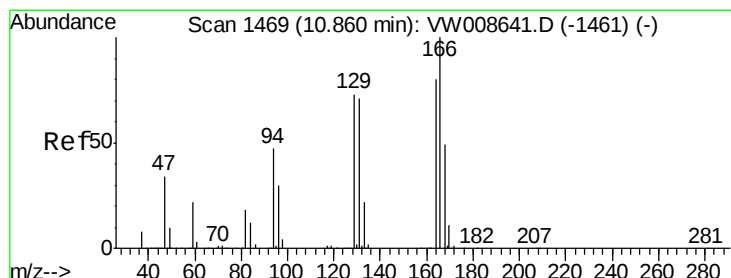
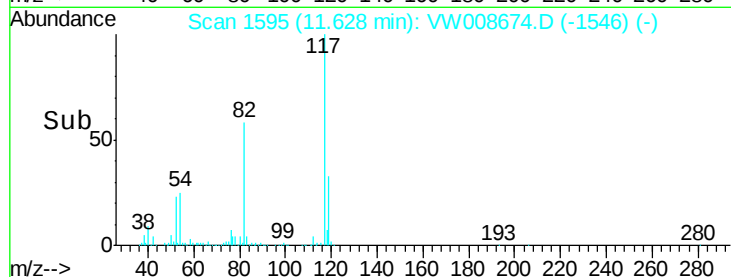
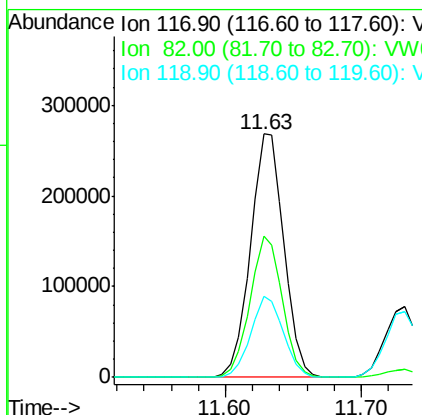
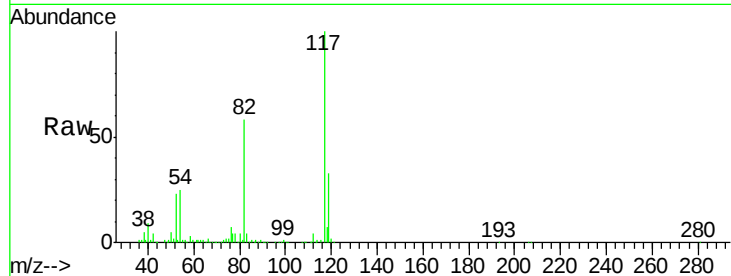
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	460585		
82	58.0		45.6	68.4
119	33.3		25.7	38.5

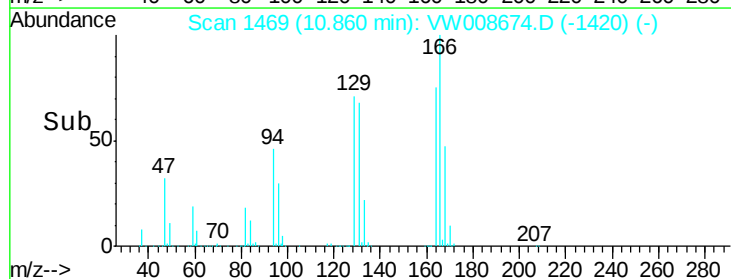
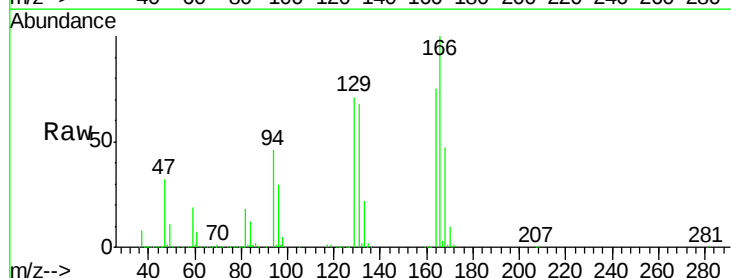
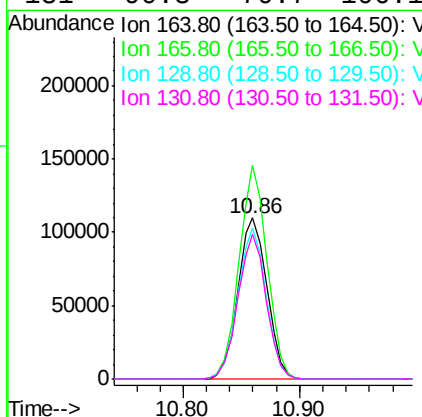
Manual Integrations
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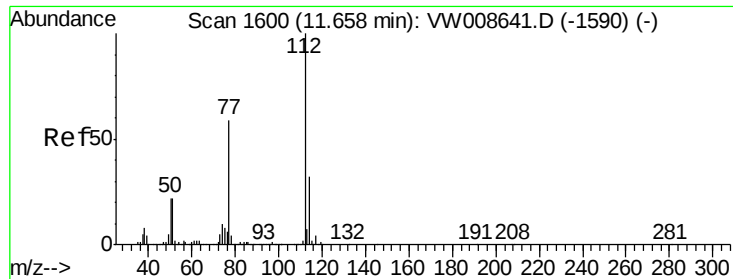
MMDadoda
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#64
Tetrachloroethene
Concen: 55.757 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	190972		
166	132.8		100.2	150.2
129	93.7		73.6	110.4
131	90.3		70.7	106.1





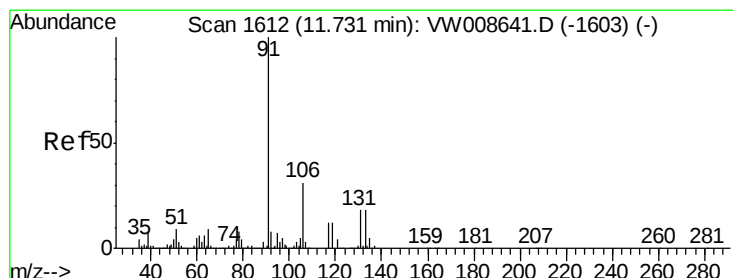
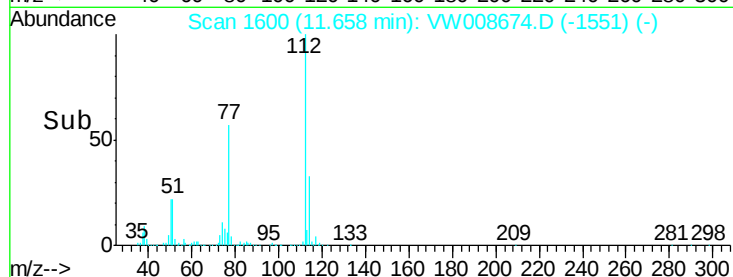
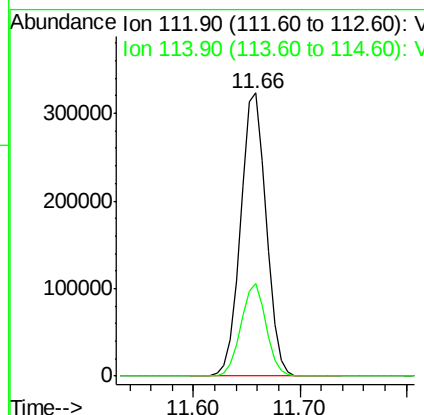
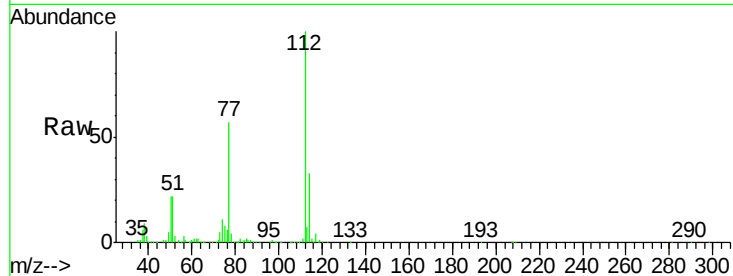
#65
Chlorobenzene
Concen: 54.956 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 545564
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5

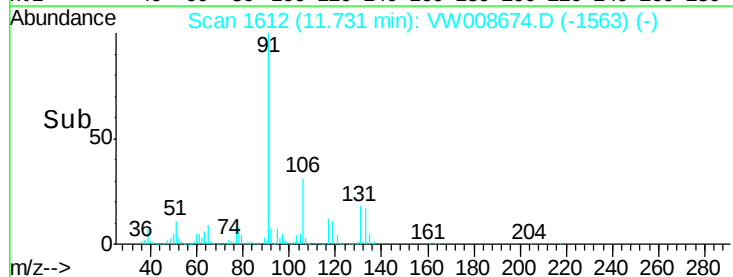
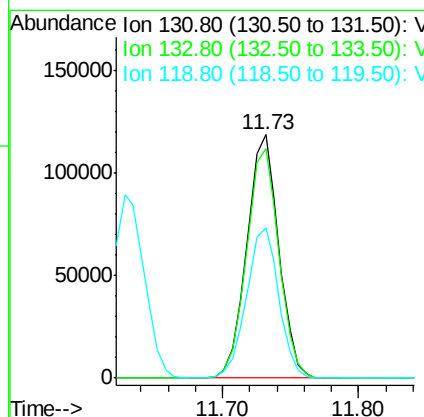
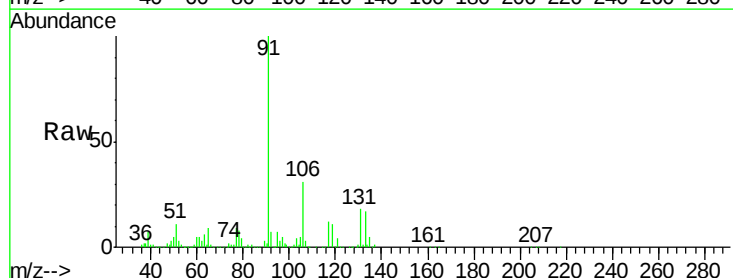
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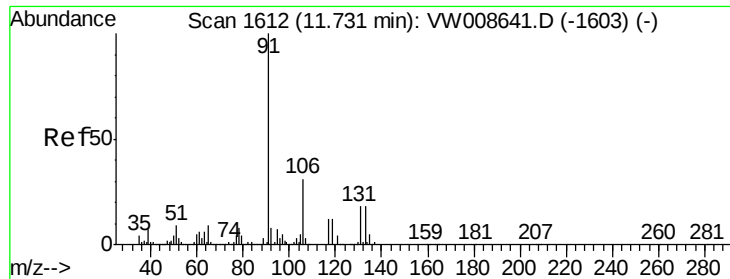
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.370 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion:131 Resp: 194724
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.4
119 62.9 31.6 94.8





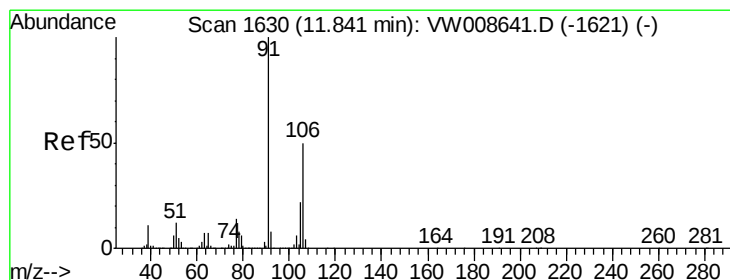
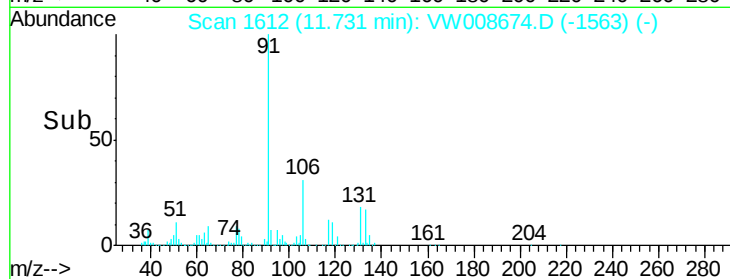
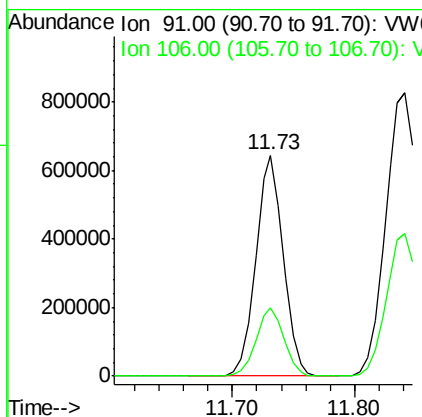
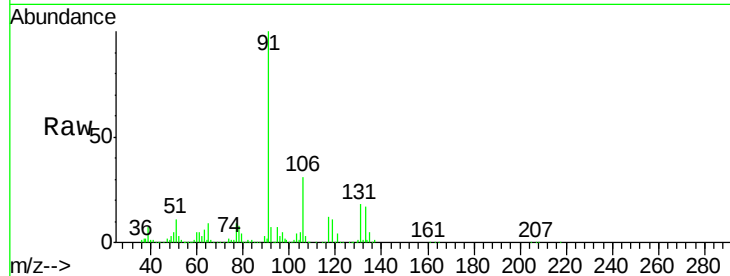
#67
Ethyl Benzene
Concen: 56.780 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1004065
Ion Ratio Lower Upper
91 100
106 31.1 24.5 36.7

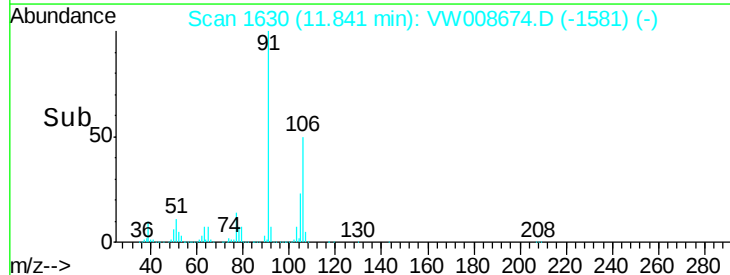
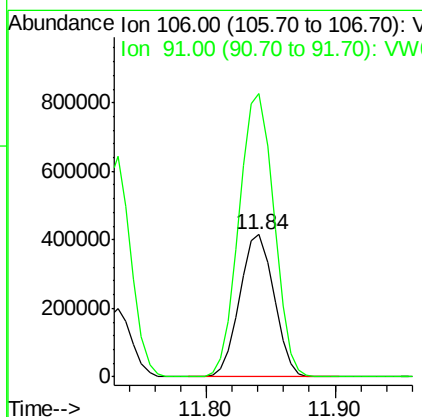
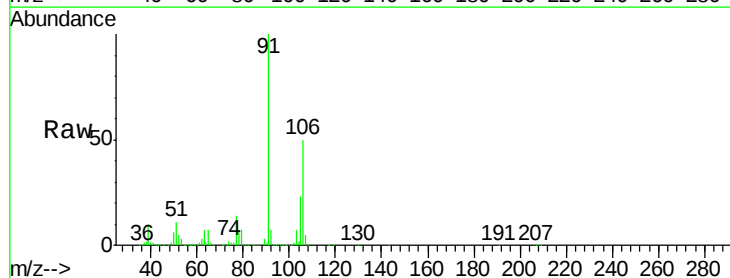
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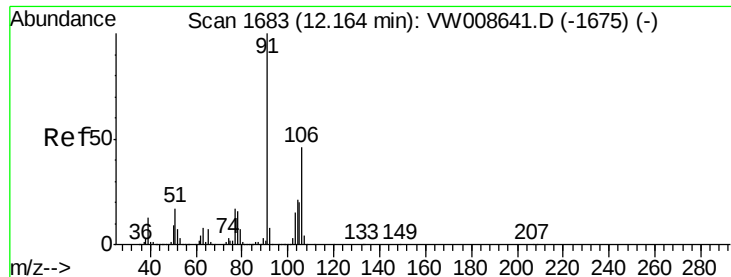
MMDadoda
2/18/2019 2:34:25 PM



#68
m/p-Xylenes
Concen: 111.876 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion: 106 Resp: 769759
Ion Ratio Lower Upper
106 100
91 201.8 161.0 241.4





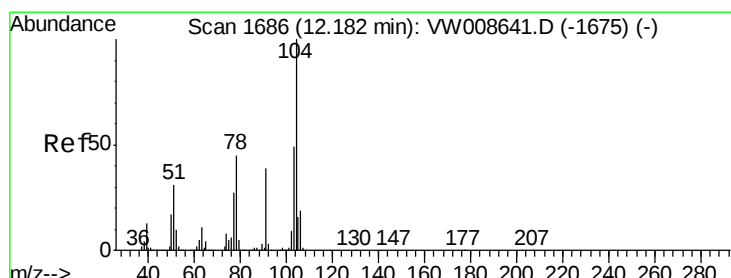
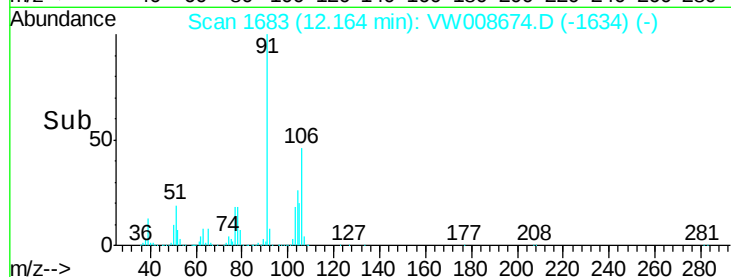
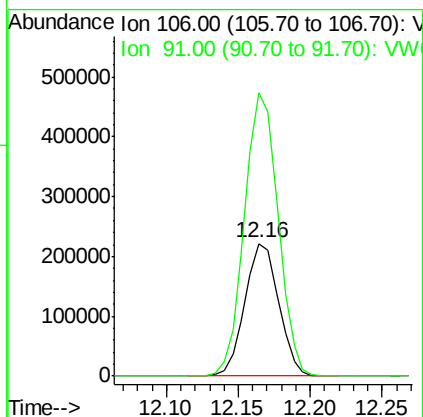
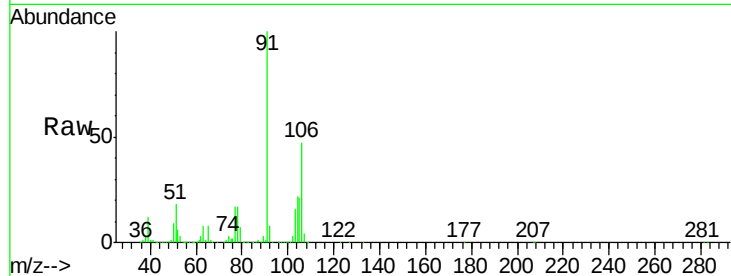
#69
o-Xylene
Concen: 55.258 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.2	106.7	320.1	

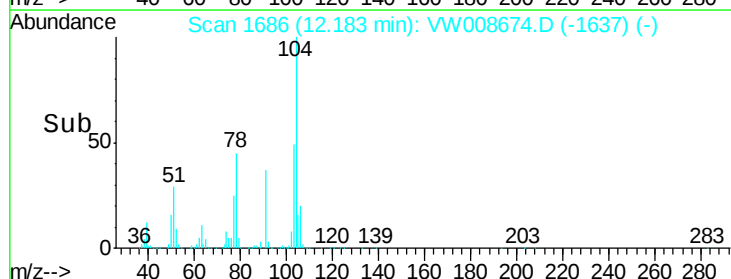
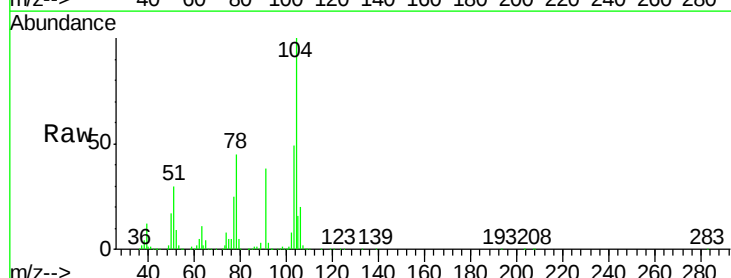
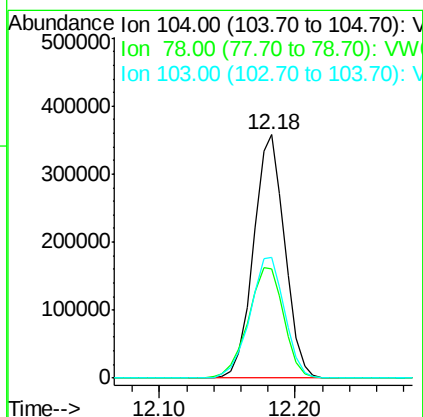
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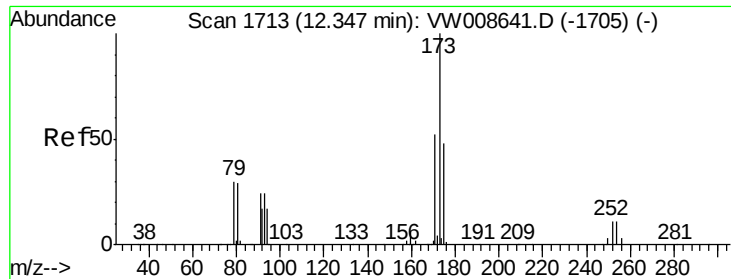
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#70
Styrene
Concen: 54.216 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.9	41.5	62.3	
103	55.1	43.5	65.3	





#71

Bromoform

Concen: 50.964 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

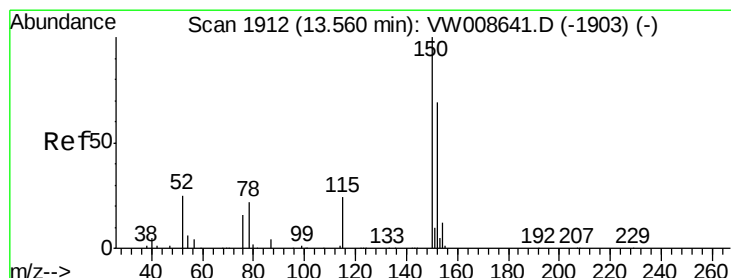
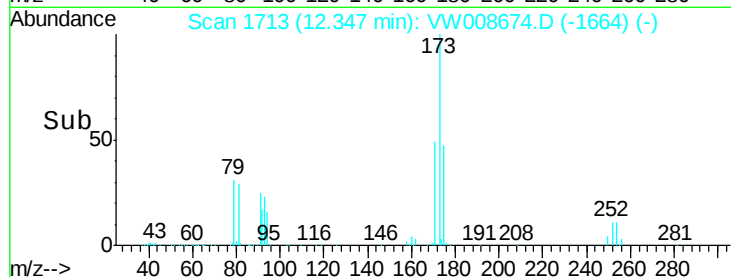
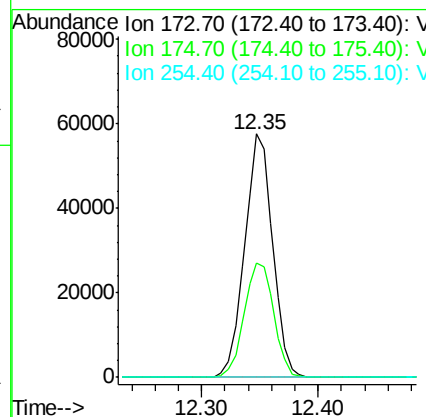
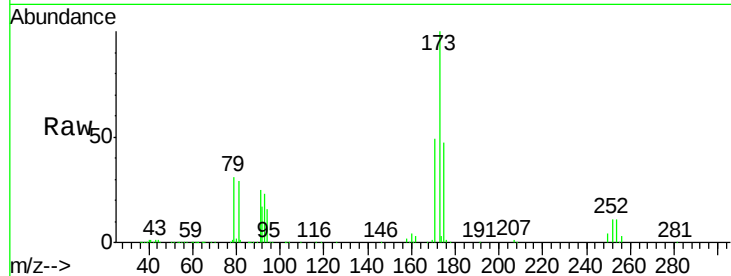
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	96570
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.9	74.7
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

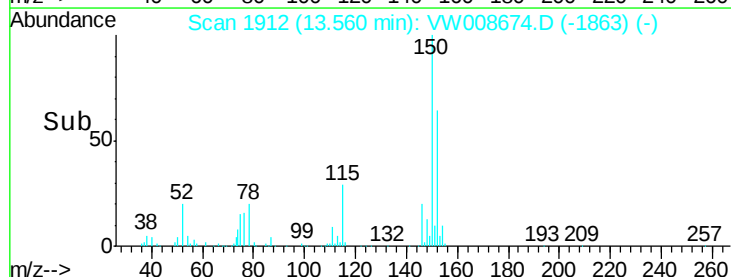
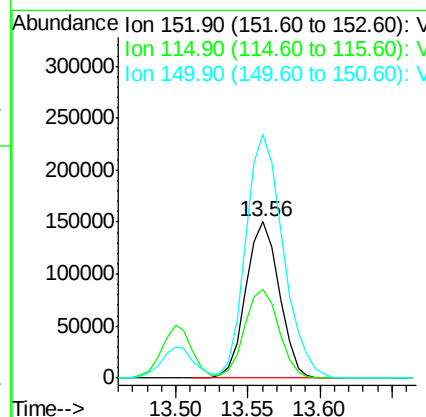
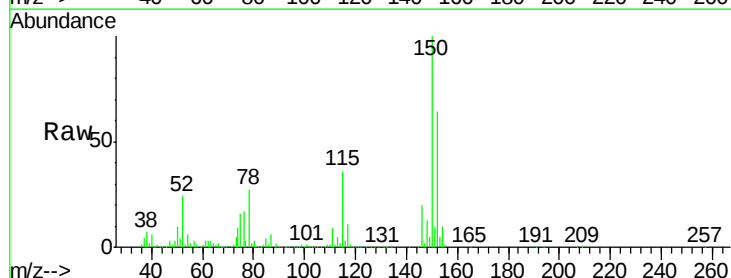
RT: 13.56 min Scan# 1912

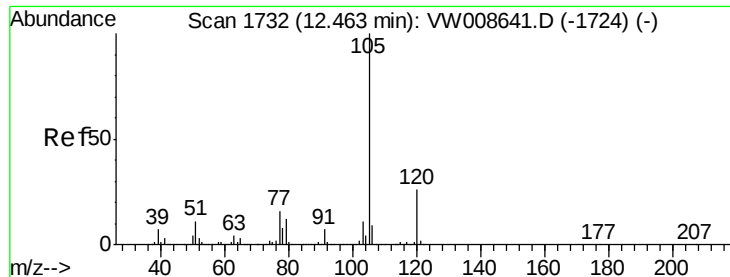
Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion:	152	Resp:	240709
Ion Ratio	Lower	Upper	
152	100		
115	57.9	29.3	87.8
150	174.8	0.0	352.8





#73

Isopropylbenzene

Concen: 56.676 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1016191

Ion Ratio Lower Upper

105 100

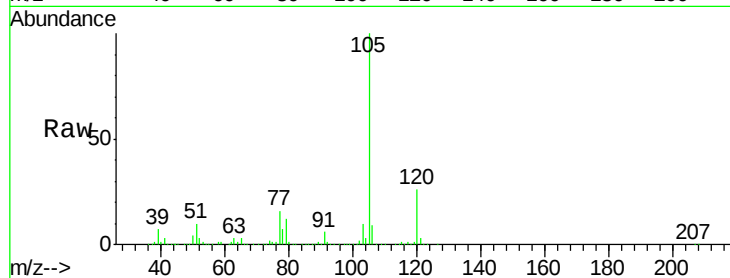
120 26.9 13.2 39.6

Manual Integrations

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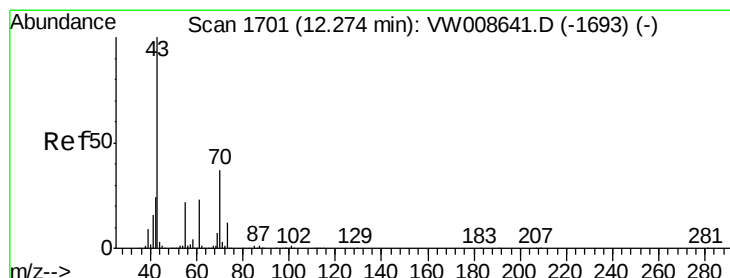
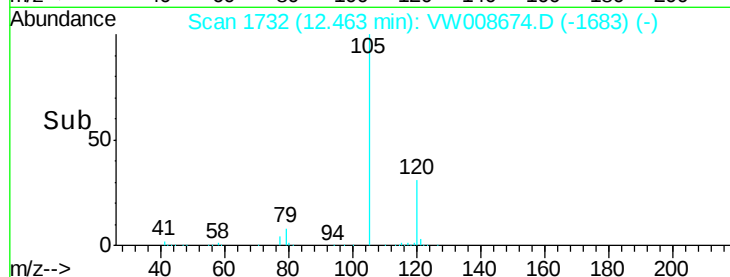
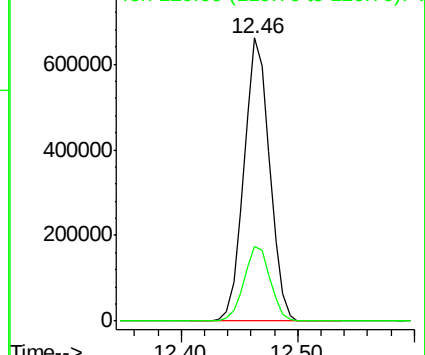
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.546 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion: 43 Resp: 220832

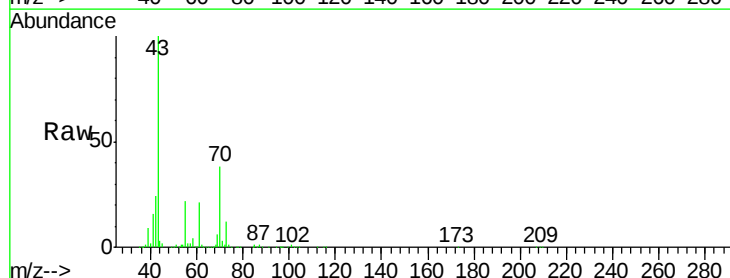
Ion Ratio Lower Upper

43 100

70 39.0 30.5 45.7

55 22.6 17.6 26.4

61 21.7 17.9 26.9

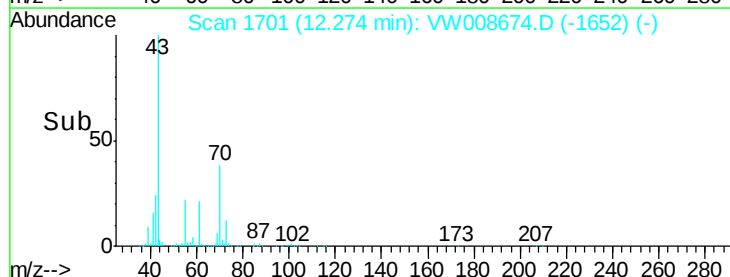
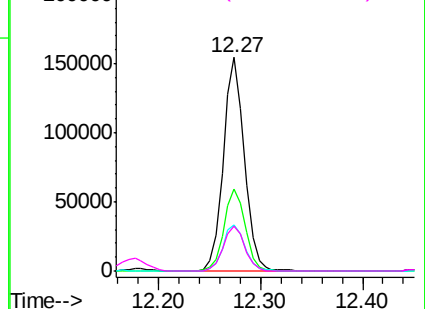


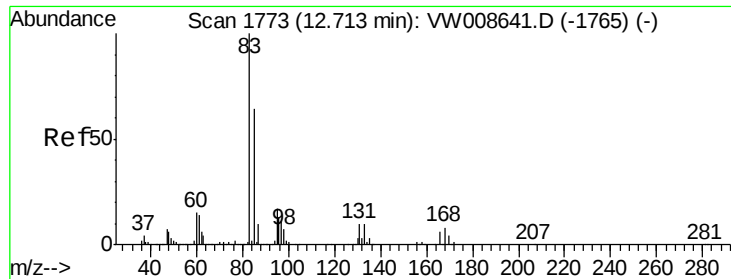
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 47.844 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

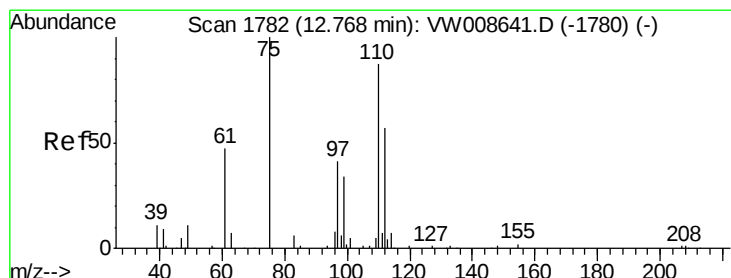
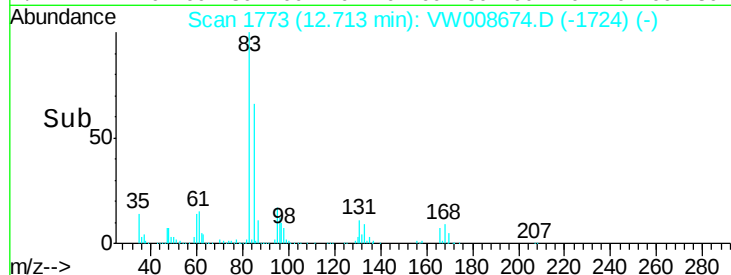
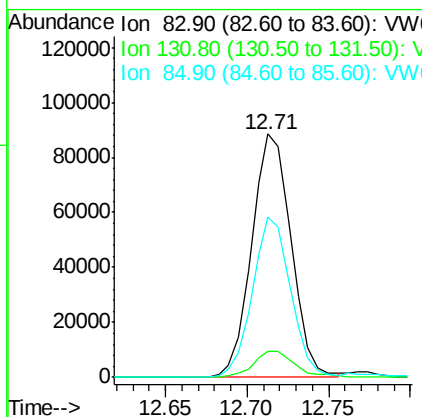
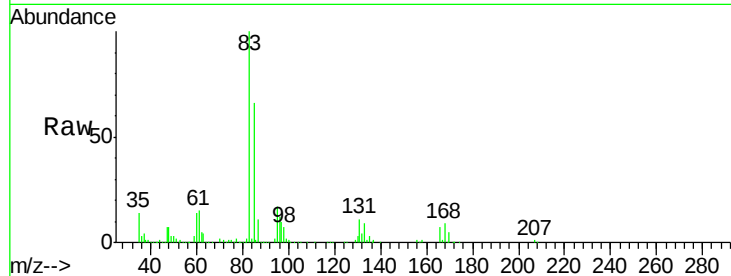
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	149252
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	63.6	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.734 ug/l m

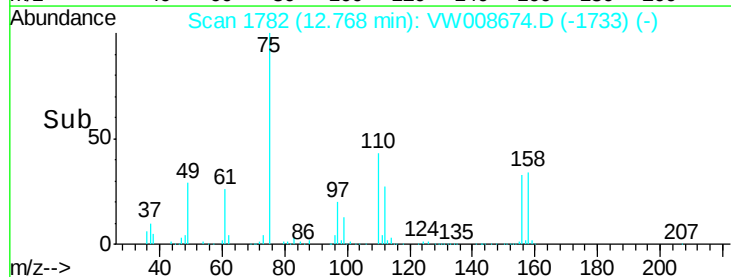
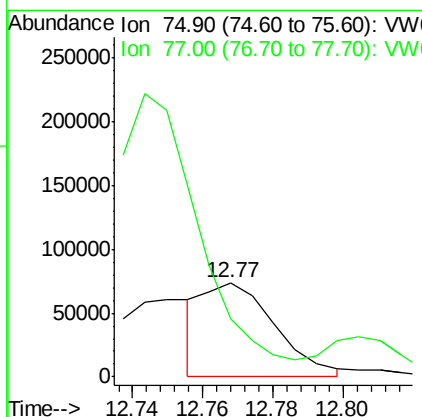
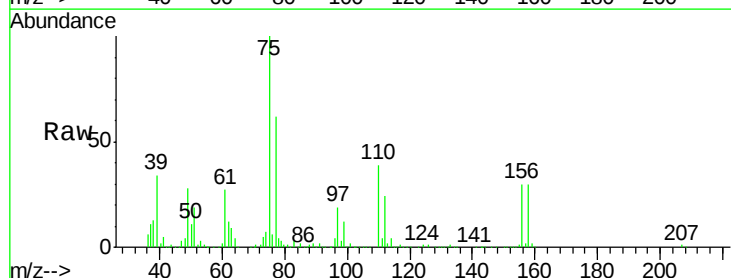
RT: 12.77 min Scan# 1782

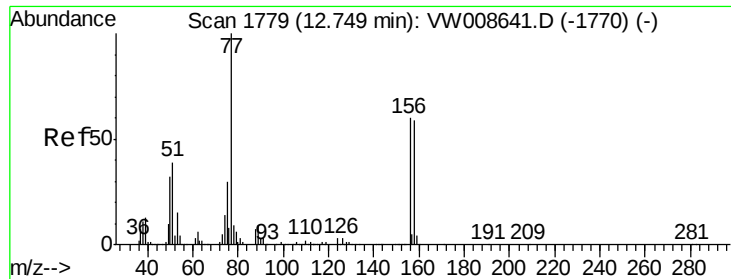
Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion:	75	Resp:	103951
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.346 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

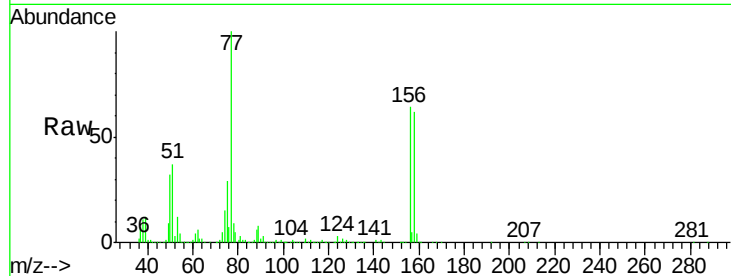
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.1	93.2	279.5
158	97.2	48.5	145.5

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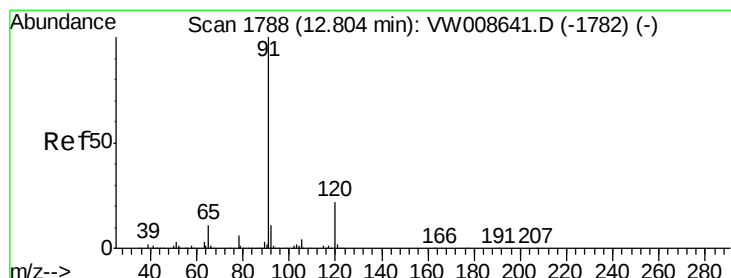
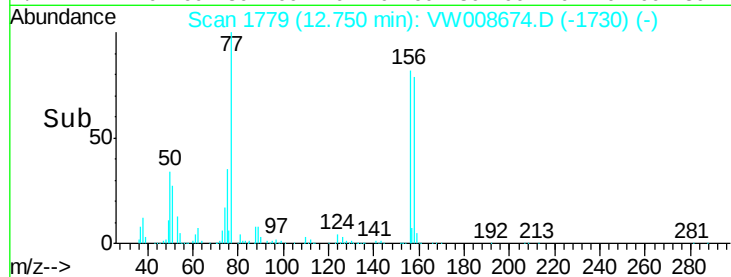
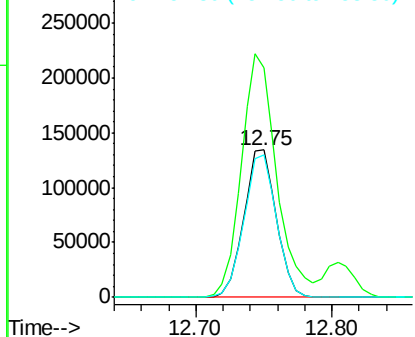


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.191 ug/l

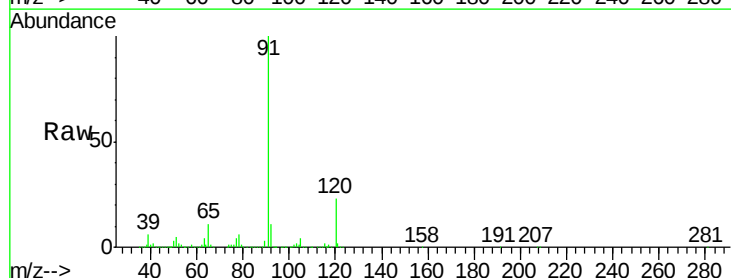
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

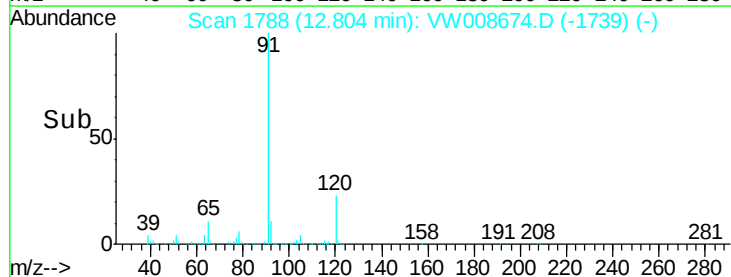
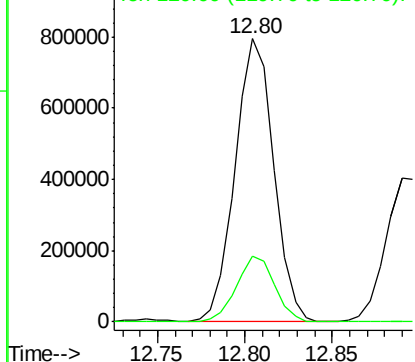
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.4	34.2

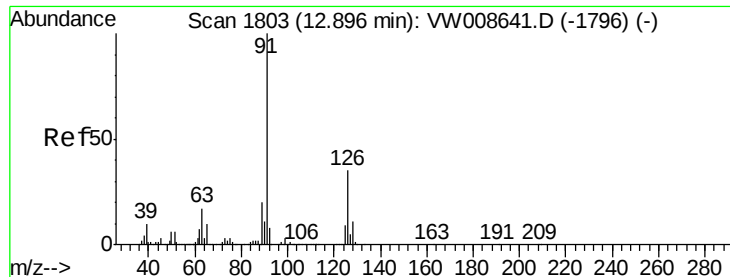


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.691 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 670541

Ion Ratio Lower Upper

91 100

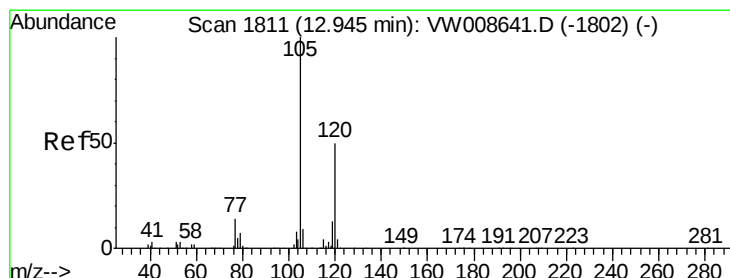
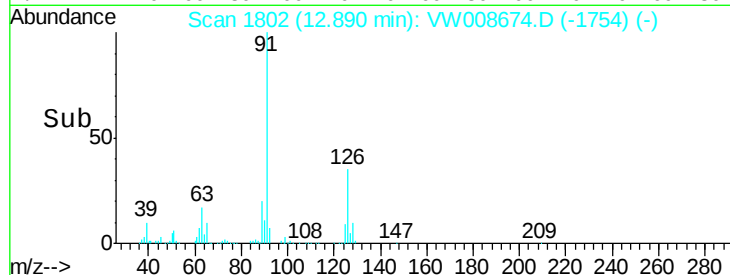
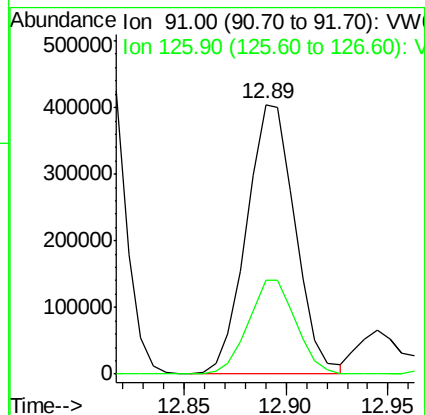
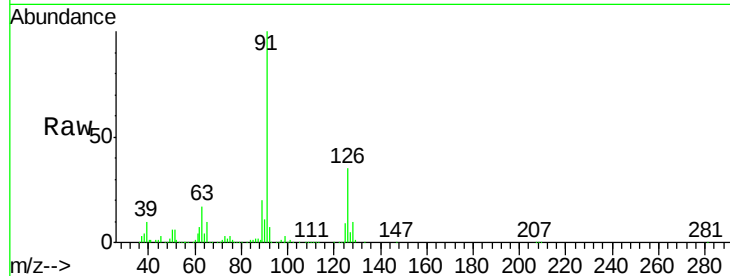
126 34.2 17.0 50.9

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#80

1,3,5-Trimethylbenzene

Concen: 56.620 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008674.D

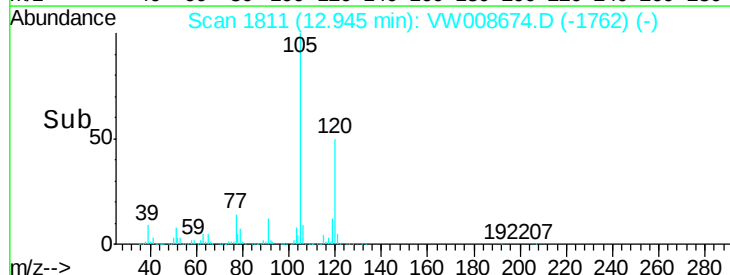
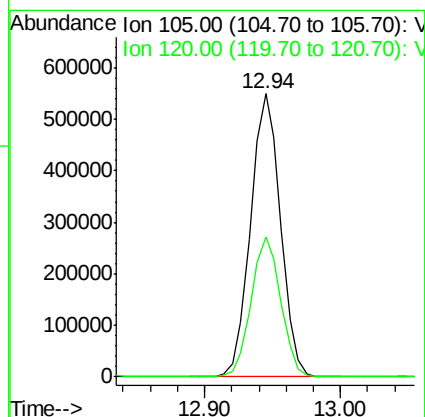
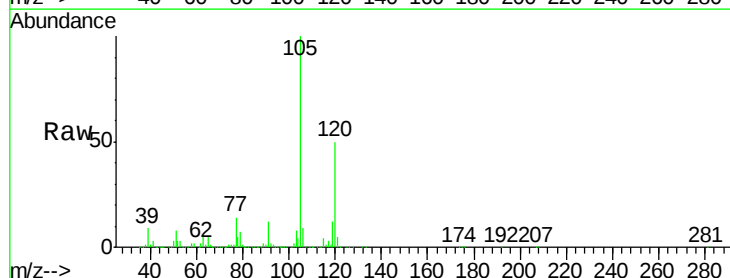
Acq: 15 Feb 2019 10:16

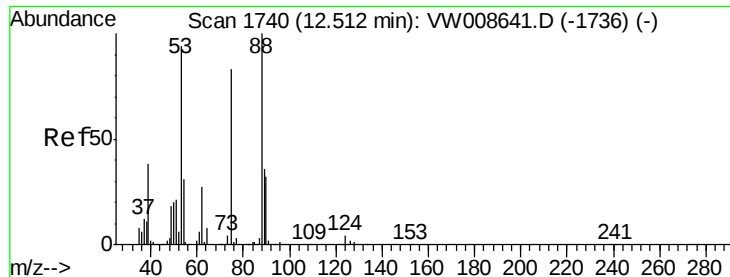
Tgt Ion: 105 Resp: 843225

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8





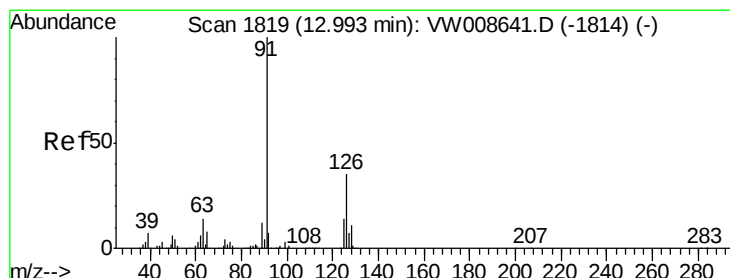
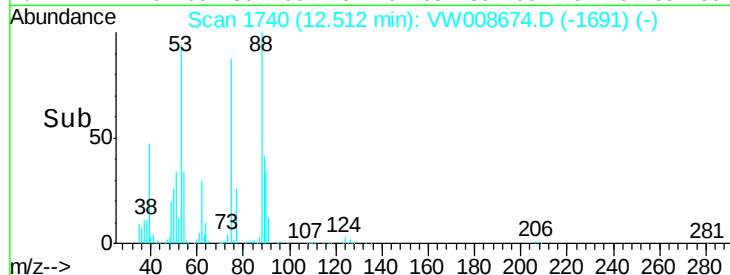
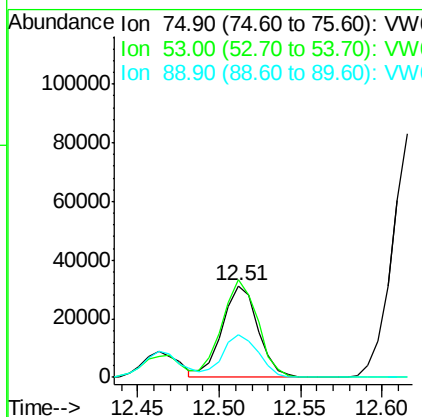
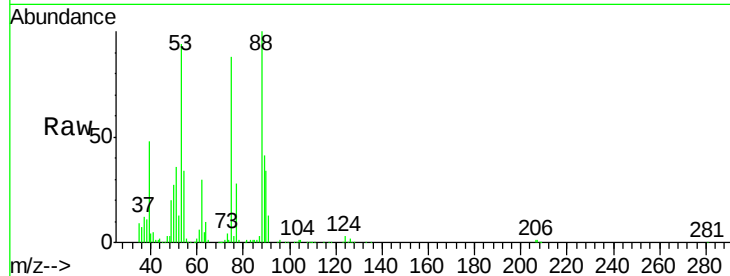
#81
trans-1,4-Dichloro-2-butene
Concen: 44.428 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.2	87.4	131.0
89	47.3	37.0	55.4

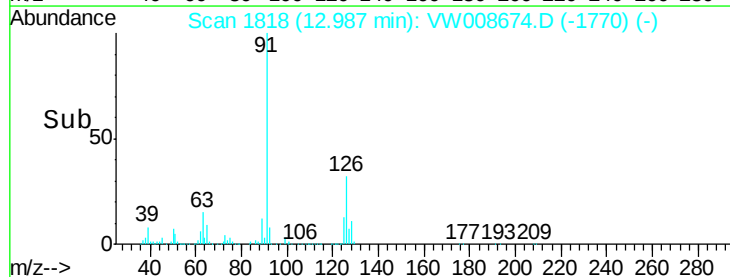
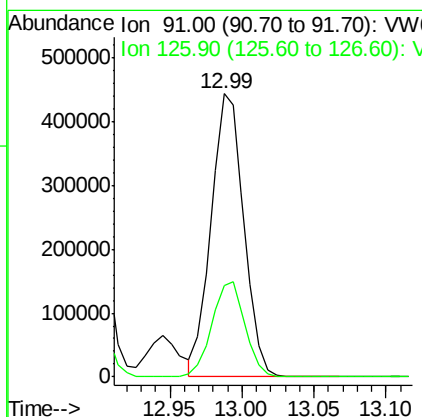
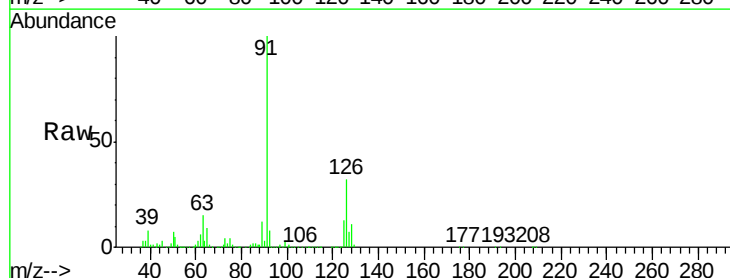
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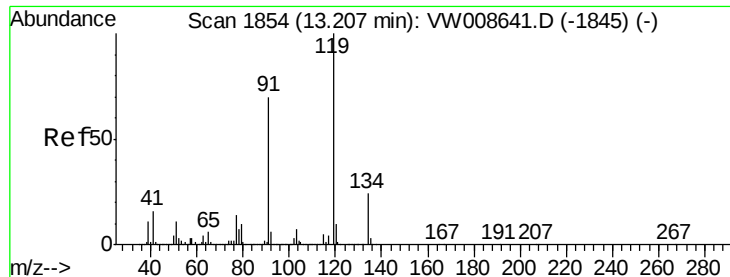
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#82
4-Chlorotoluene
Concen: 54.913 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.7





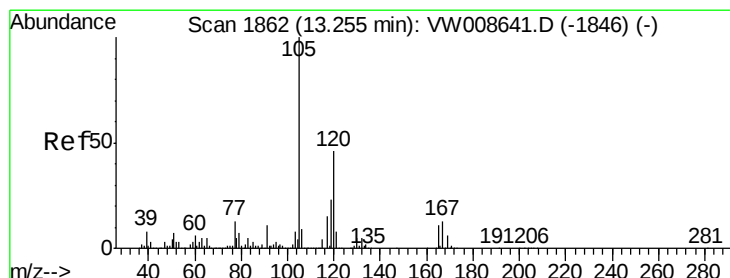
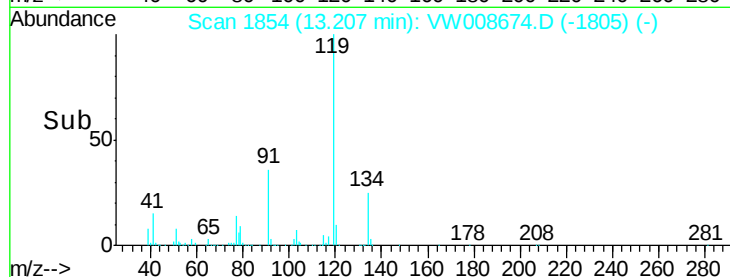
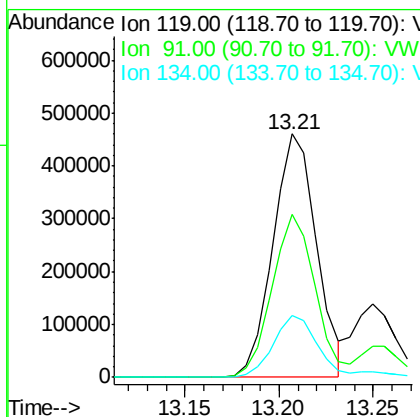
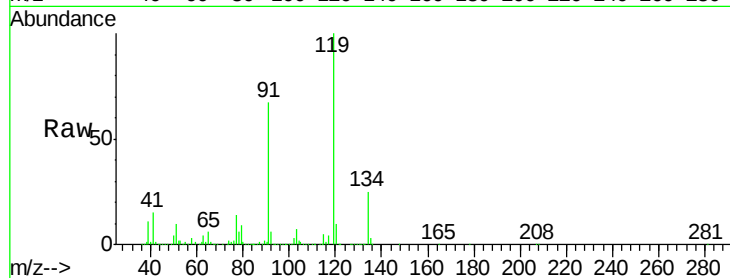
#83
tert-Butylbenzene
Concen: 57.101 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	34.0	102.0
134	27.2	13.6	40.8

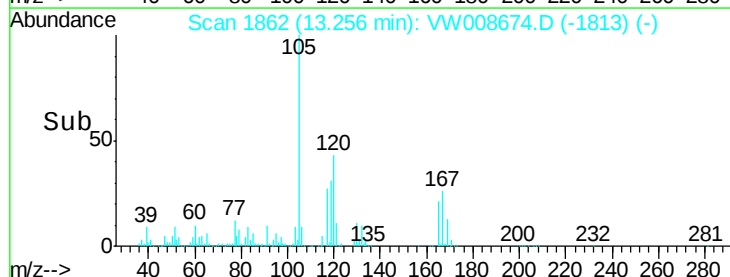
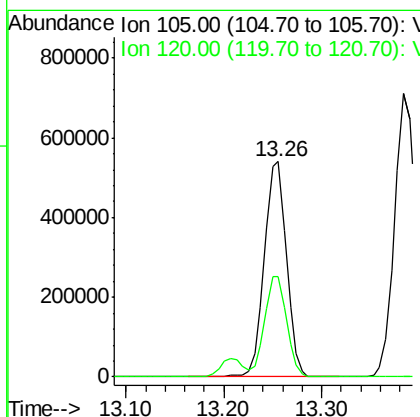
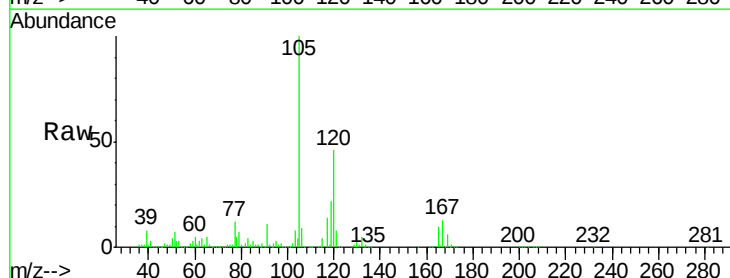
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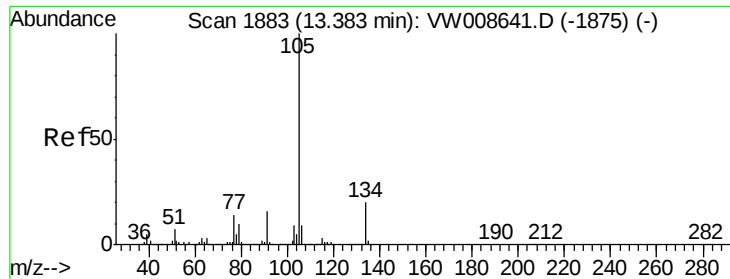
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 55.750 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 57.307 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1079059

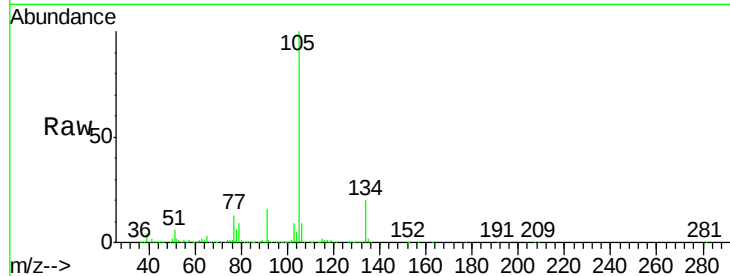
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8

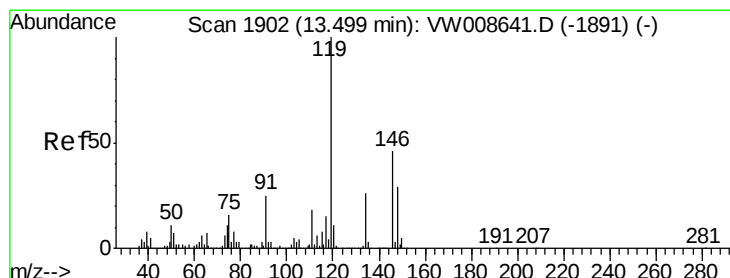
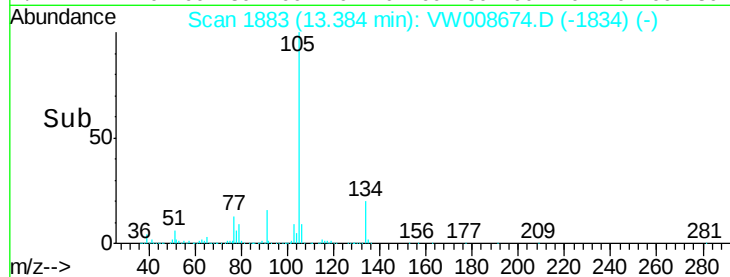
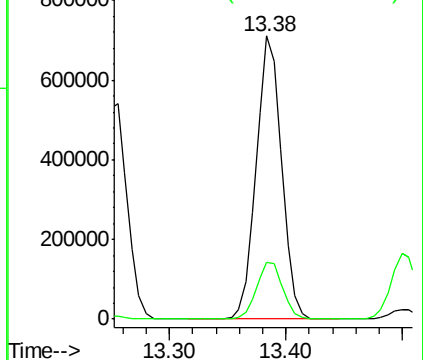
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.817 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

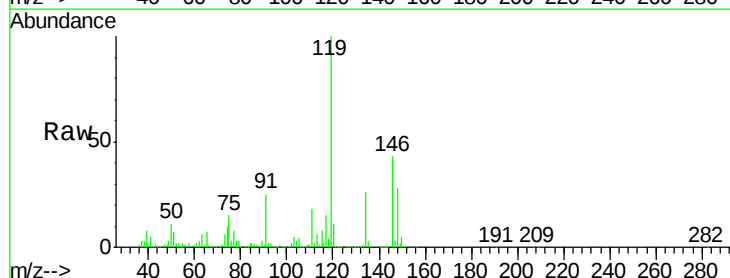
Tgt Ion:119 Resp: 957071

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

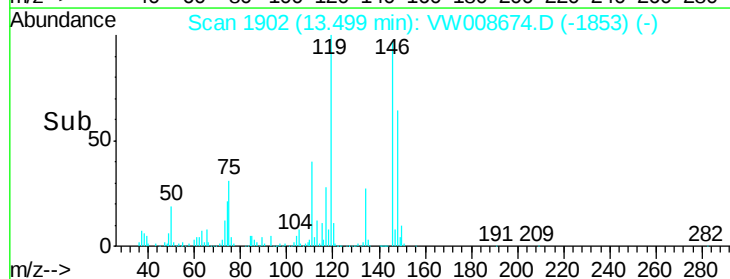
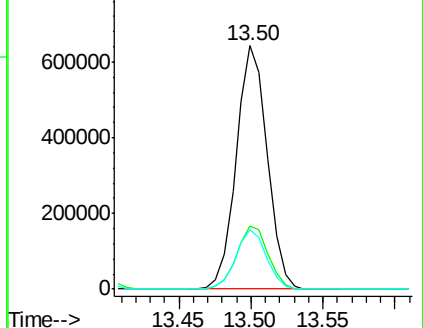
91 24.4 12.3 36.9

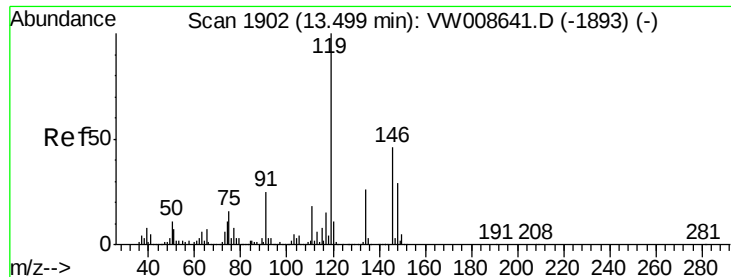


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.224 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

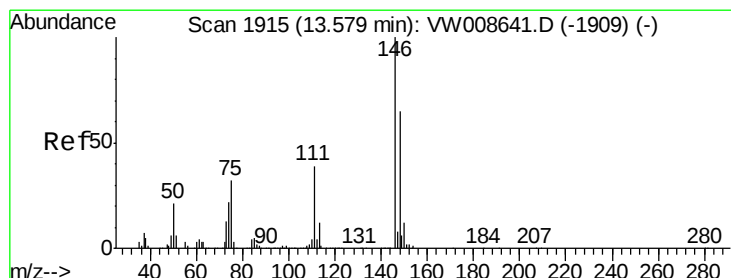
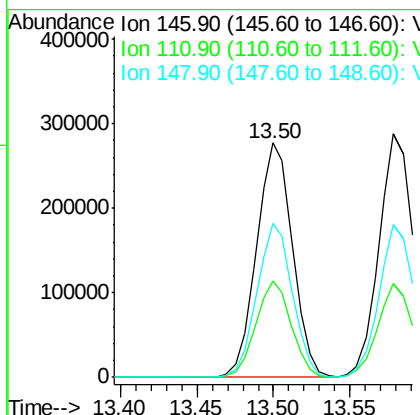
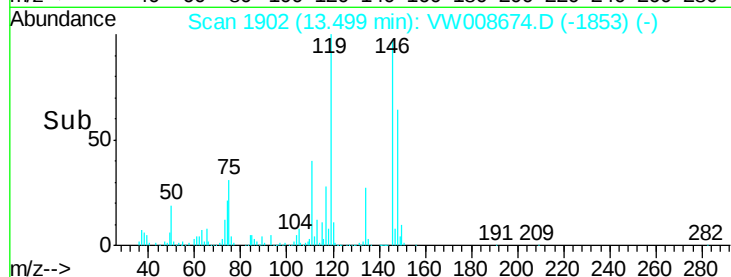
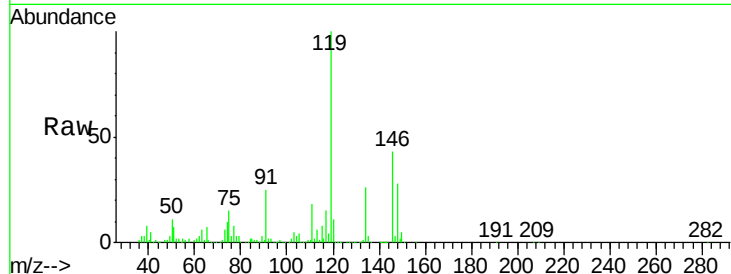
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	453048		
111	40.3	19.4	58.1	
148	64.7	31.6	94.8	

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#88

1,4-Dichlorobenzene

Concen: 54.749 ug/l

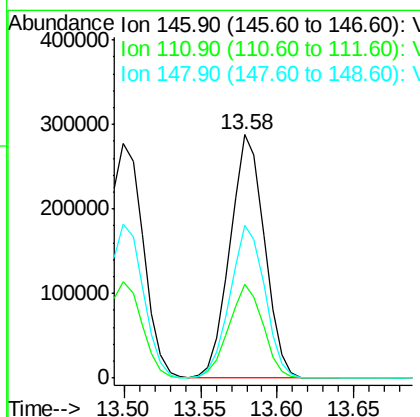
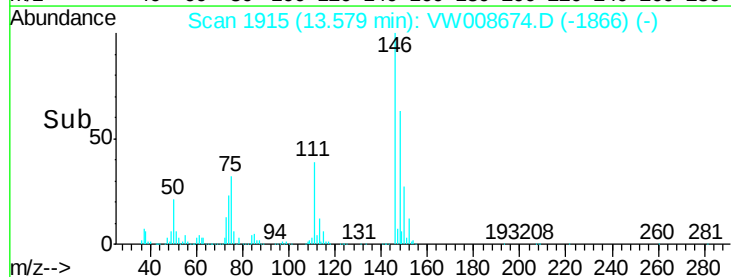
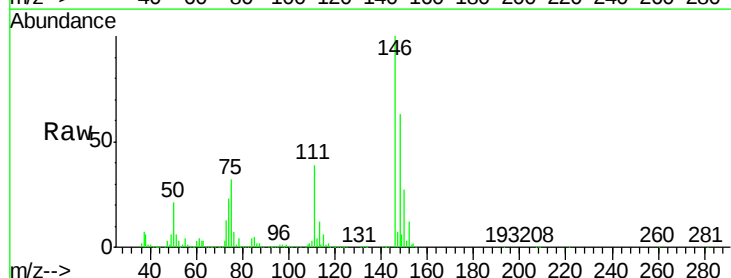
RT: 13.58 min Scan# 1915

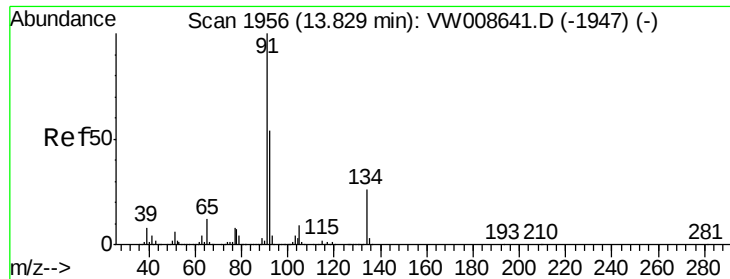
Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	450821		
111	38.1	19.4	58.1	
148	63.3	31.8	95.4	





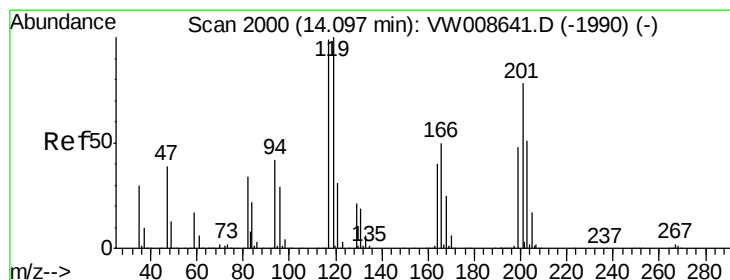
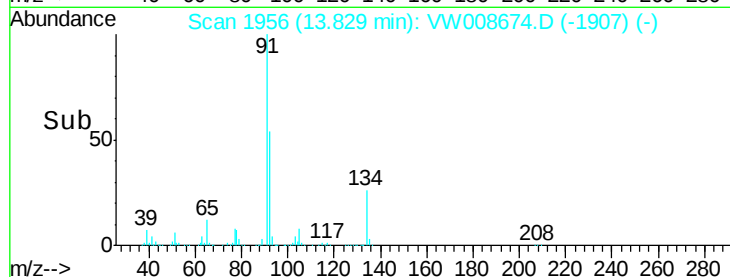
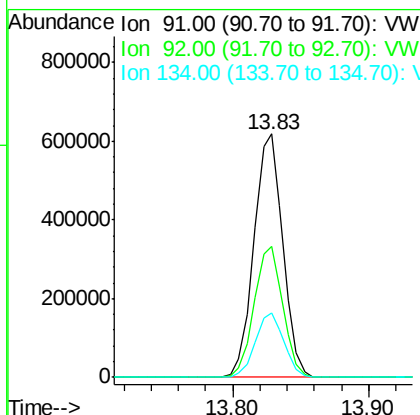
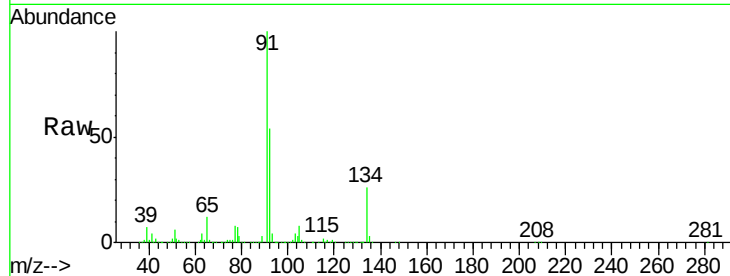
#89
n-Butylbenzene
Concen: 57.433 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	26.2	13.0	39.0

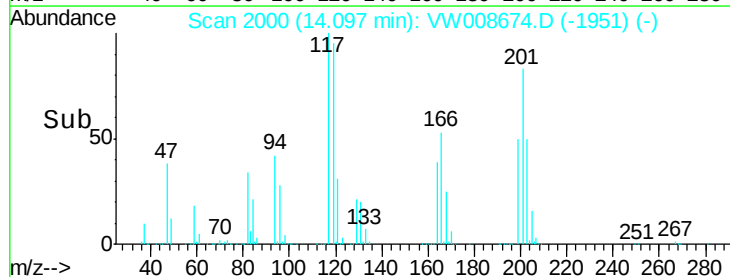
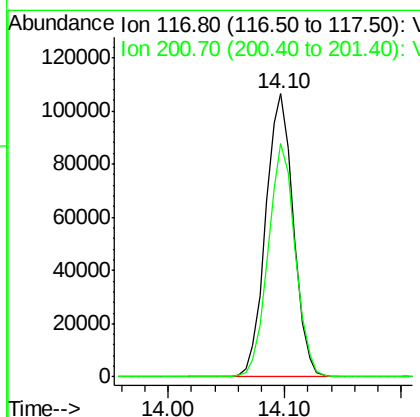
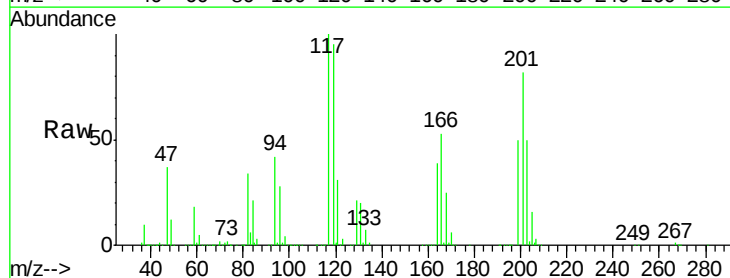
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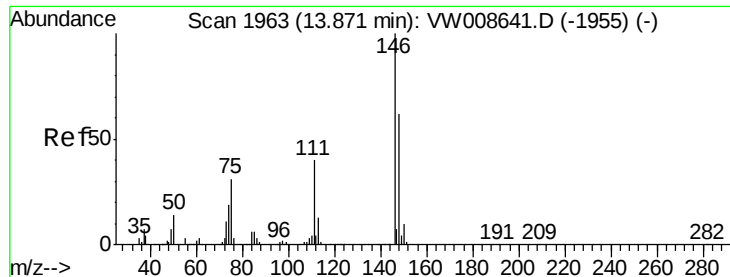
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#90
Hexachloroethane
Concen: 59.766 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	38.7	116.1





#91

1,2-Dichlorobenzene

Concen: 53.514 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Instrument :

MSVOA_W

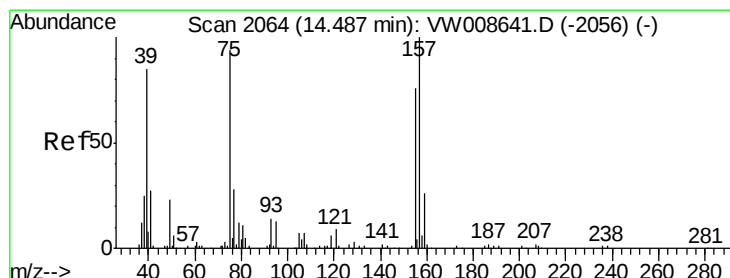
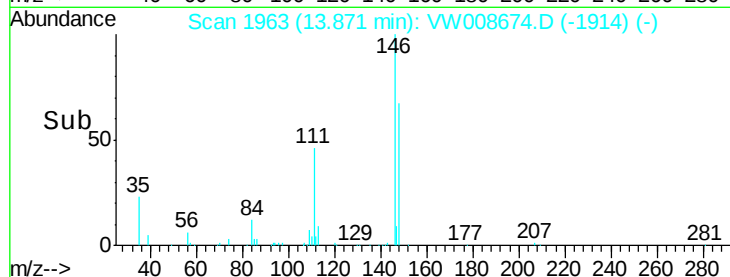
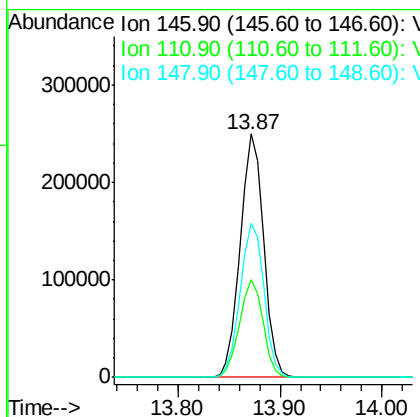
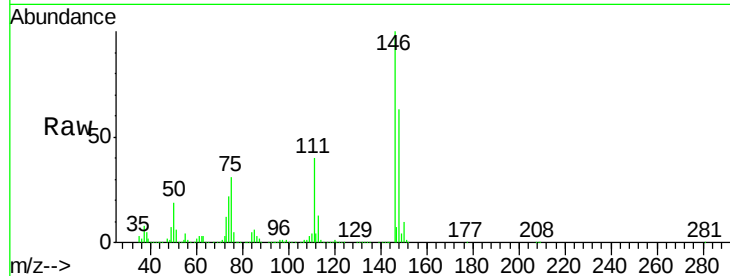
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	396139
Ion Ratio		Lower	Upper
146	100		
111	40.1	20.5	61.5
148	64.3	31.6	94.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.069 ug/l

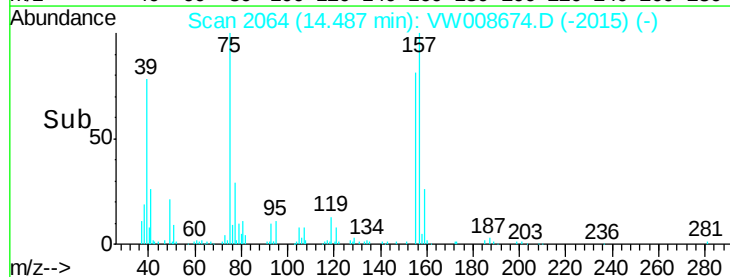
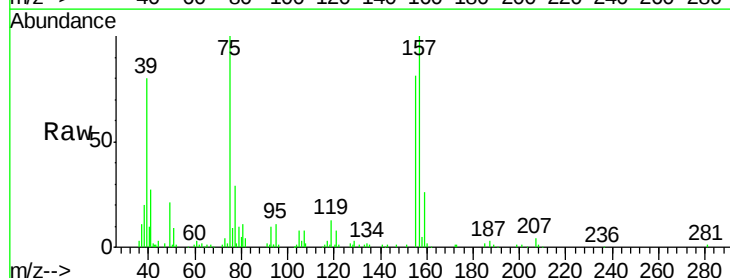
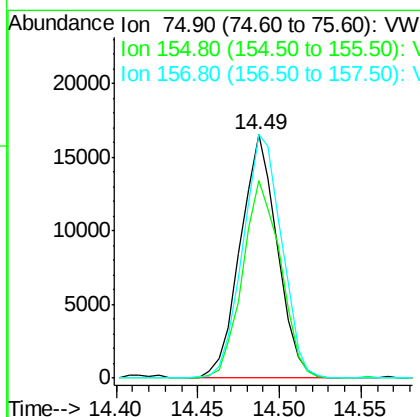
RT: 14.49 min Scan# 2064

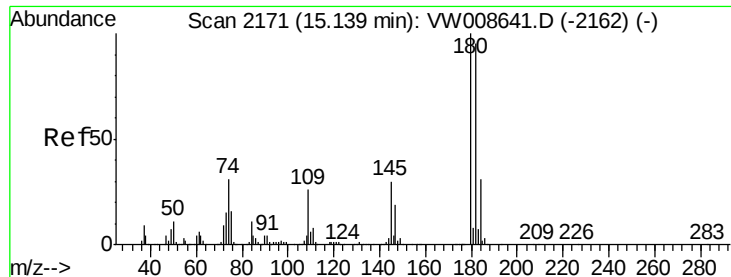
Delta R.T. 0.00 min

Lab File: VW008674.D

Acq: 15 Feb 2019 10:16

Tgt Ion:	75	Resp:	26058
Ion Ratio		Lower	Upper
75	100		
155	83.4	41.8	125.4
157	105.1	53.8	161.4





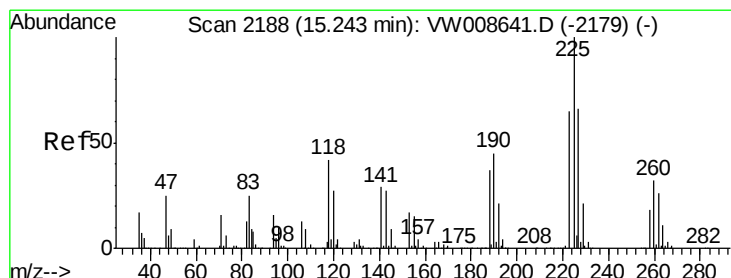
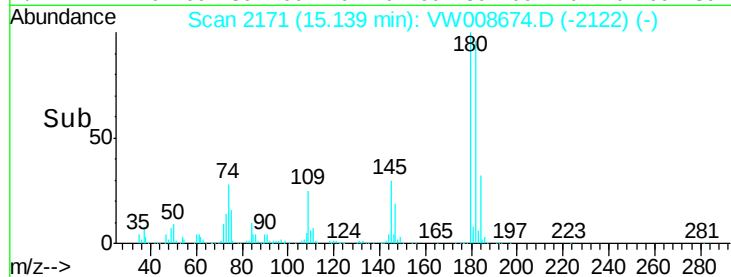
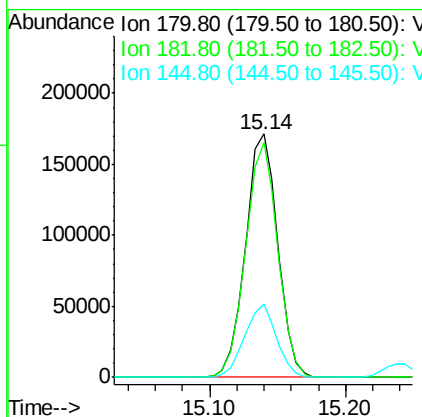
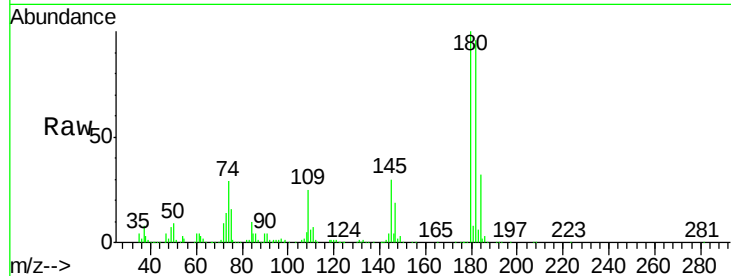
#93
 1,2,4-Trichlorobenzene
 Concen: 54.102 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285085		
182	95.9	47.5	142.5	
145	29.7	15.1	45.3	

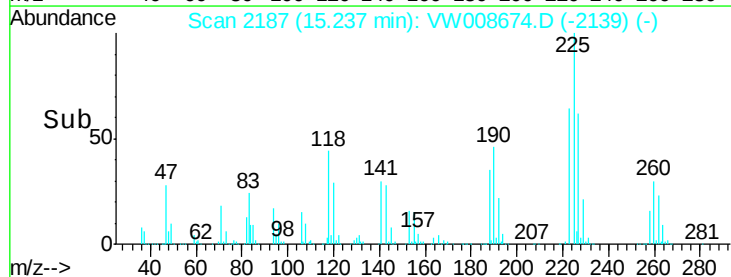
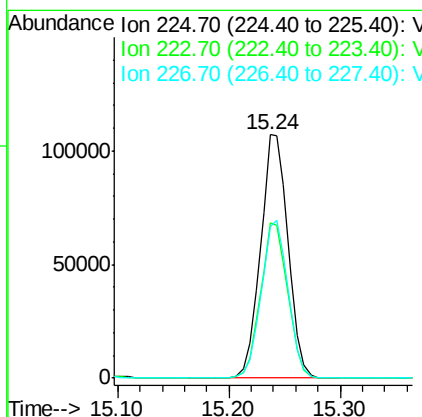
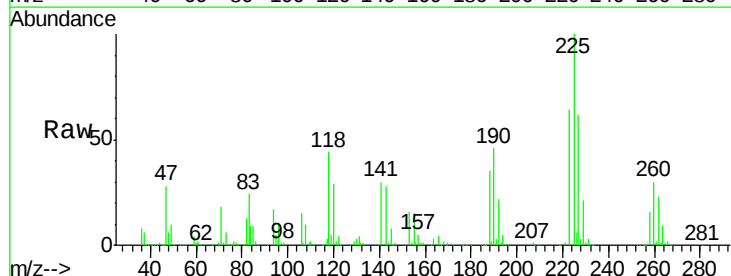
Manual Integrations
 APPROVED

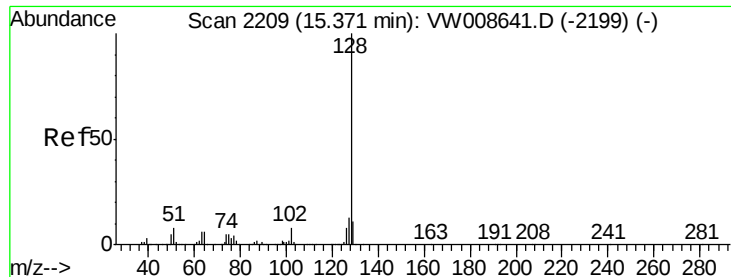
MMDadoda
 2/18/2019 2:34:25 PM



#94
 Hexachlorobutadiene
 Concen: 60.008 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008674.D
 Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	184065		
223	62.9	31.4	94.3	
227	63.4	32.4	97.0	





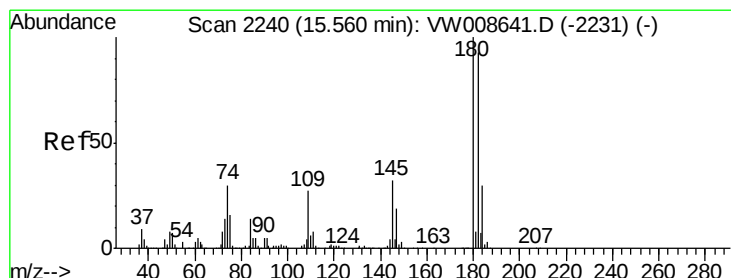
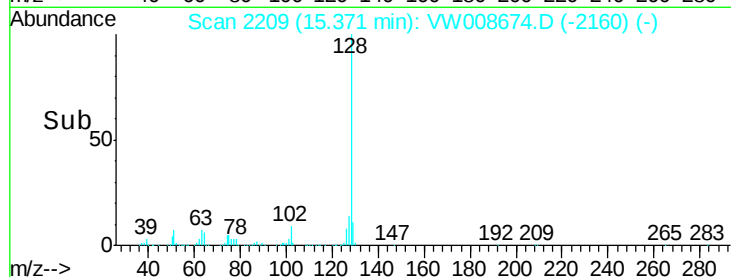
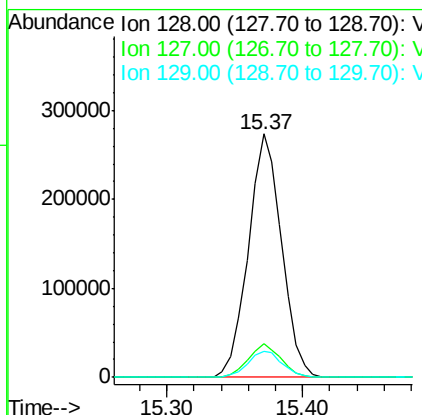
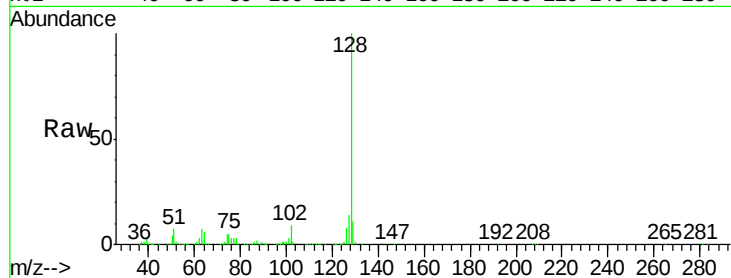
#95
Naphthalene
Concen: 49.517 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	467599		
127	13.6	10.9	16.3	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.200 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008674.D
Acq: 15 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	240561		
182	95.5	47.5	142.5	
145	31.1	15.9	47.7	

