

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010016.D
 Acq On : 17 Apr 2019 13:11
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:22 AM

Quant Time: Apr 18 02:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	434485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	698025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	649375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	317080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	846319	157.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.68%	
35) Dibromofluoromethane	7.88	113	687225	154.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.72%	
50) Toluene-d8	10.32	98	2711463	163.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.10%	
62) 4-Bromofluorobenzene	12.62	95	998146	165.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	479792	147.295	ug/l	97
3) Chloromethane	2.22	50	541410	163.422	ug/l	98
4) Vinyl Chloride	2.37	62	602673	156.500	ug/l	98
5) Bromomethane	2.77	94	404078	156.136	ug/l	98
6) Chloroethane	2.92	64	390756	155.297	ug/l	95
7) Trichlorofluoromethane	3.25	101	435850	163.696	ug/l	97
8) Diethyl Ether	3.67	74	321094	144.977	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	624040	142.996	ug/l	100
10) Methyl Iodide	4.26	142	945153	152.654	ug/l	99
11) Tert butyl alcohol	5.18	59	224625	737.634	ug/l	98
12) 1,1-Dichloroethene	4.03	96	651855	151.762	ug/l	98
13) Acrolein	3.89	56	230747	718.159	ug/l	97
14) Allyl chloride	4.66	41	1163063	152.305	ug/l	99
15) Acrylonitrile	5.36	53	849286	745.122	ug/l	99
16) Acetone	4.12	43	837479	673.190	ug/l	98
17) Carbon Disulfide	4.38	76	1957110	166.106	ug/l	99
18) Methyl Acetate	4.67	43	400019	138.933	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	847847	151.972	ug/l	100
20) Methylene Chloride	4.91	84	679794	118.775	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	712625	153.212	ug/l	98
22) Diisopropyl ether	6.31	45	2275802	146.923	ug/l	98
23) Vinyl Acetate	6.25	43	7790245	798.914	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1334662	144.135	ug/l	99
25) 2-Butanone	7.17	43	1253983	767.340	ug/l	98
26) 2,2-Dichloropropane	7.17	77	697130	136.077	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	785367	153.530	ug/l	98
28) Bromochloromethane	7.51	49	565810	149.520	ug/l	98
29) Tetrahydrofuran	7.52	42	808318	780.623	ug/l	99
30) Chloroform	7.67	83	1312548	141.462	ug/l	97
31) Cyclohexane	7.95	56	1241366	143.162	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	1023054	140.453	ug/l	100
36) 1,1-Dichloropropene	8.08	75	1055029	147.967	ug/l	99
37) Ethyl Acetate	7.25	43	546023	150.703	ug/l	100
38) Carbon Tetrachloride	8.06	117	1013744	145.678	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1302915	162.387	ug/l	99
40) Benzene	8.32	78	2874405	147.437	ug/l	99
41) Methacrylonitrile	7.48	41	341295	165.279	ug/l	97
42) 1,2-Dichloroethane	8.40	62	960155	143.307	ug/l	100
43) Isopropyl Acetate	8.42	43	1061903	156.405	ug/l	98
44) Trichloroethene	9.09	130	738524	149.145	ug/l	97
45) 1,2-Dichloropropane	9.37	63	746172	145.609	ug/l	98
46) Dibromomethane	9.46	93	389423	146.620	ug/l	100
47) Bromodichloromethane	9.64	83	1028040	149.942	ug/l	100
48) Methyl methacrylate	9.43	41	520051	157.355	ug/l	97
49) 1,4-Dioxane	9.45	88	127806	3149.219	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	2743598	771.539	ug/l	99
52) Toluene	10.38	92	1803697	148.521	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	1073815	157.969	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	1217255	156.822	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	537347	144.951	ug/l	98
56) Ethyl methacrylate	10.65	69	794128	172.316	ug/l	99
57) 1,3-Dichloropropane	10.93	76	981537	147.723	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	2009328	907.091	ug/l	100
59) 2-Hexanone	10.97	43	1945800	786.066	ug/l	99
60) Dibromochloromethane	11.13	129	663272	154.802	ug/l	100
61) 1,2-Dibromoethane	11.23	107	526942	149.425	ug/l	99
64) Tetrachloroethene	10.86	164	622424	147.650	ug/l	98
65) Chlorobenzene	11.66	112	1889639	142.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	693247	145.856	ug/l	99
67) Ethyl Benzene	11.73	91	3575307	150.772	ug/l	99
68) m/p-Xylenes	11.84	106	2631217	296.838	ug/l	100
69) o-Xylene	12.16	106	1247089	154.512	ug/l	98
70) Styrene	12.18	104	2191187	157.456	ug/l	100
71) Bromoform	12.35	173	382842	152.327	ug/l	100
73) Isopropylbenzene	12.46	105	3459132	156.748	ug/l	100
74) N-amyl acetate	12.27	43	1023295	167.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	651052	149.326	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	468252m	123.187	ug/l	
77) Bromobenzene	12.75	156	764788	150.687	ug/l	100
78) n-propylbenzene	12.80	91	4182702	152.928	ug/l	100
79) 2-Chlorotoluene	12.90	91	2372708	150.839	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2888620	154.381	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	230693	171.409	ug/l	96
82) 4-Chlorotoluene	12.99	91	2469381	149.159	ug/l	99
83) tert-Butylbenzene	13.21	119	2397804	154.748	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2876975	151.654	ug/l	100
85) sec-Butylbenzene	13.38	105	3468572	149.794	ug/l	100
86) p-Isopropyltoluene	13.50	119	3132174	153.467	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1467892	143.075	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1439895	140.606	ug/l	99
89) n-Butylbenzene	13.83	91	3120232	154.312	ug/l	98
90) Hexachloroethane	14.10	117	589376	150.772	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	1310380	142.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	115427	147.937	ug/l	97

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QLast Update : Thu Apr 18 01:42:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	931208	153.440	ug/l	100
94) Hexachlorobutadiene	15.24	225	540281	146.602	ug/l	100
95) Naphthalene	15.37	128	1868034	171.447	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	820906	155.909	ug/l	99

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

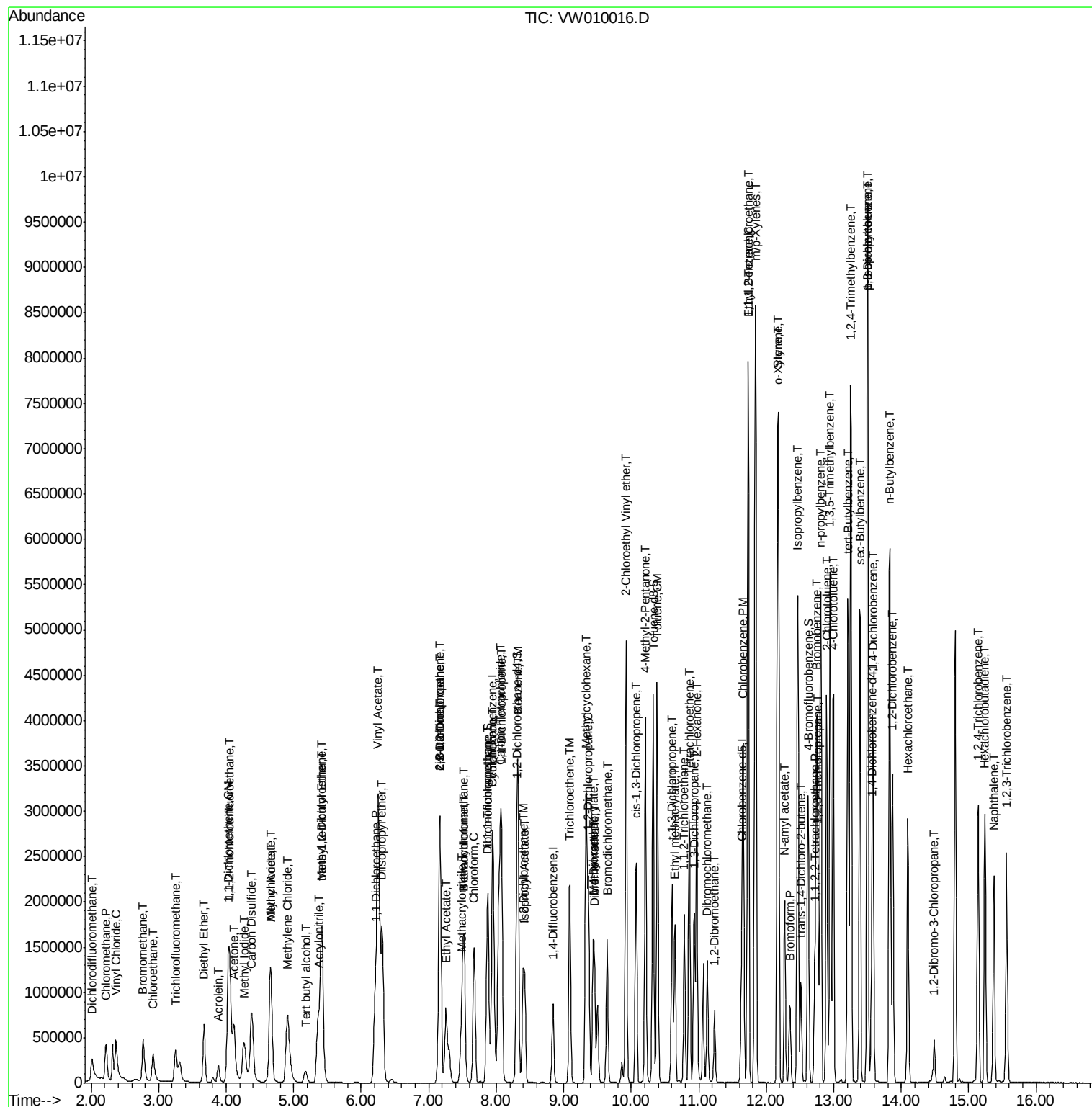
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Data File : VW010016.D
Acq On : 17 Apr 2019 13:11
Operator : SY/VA
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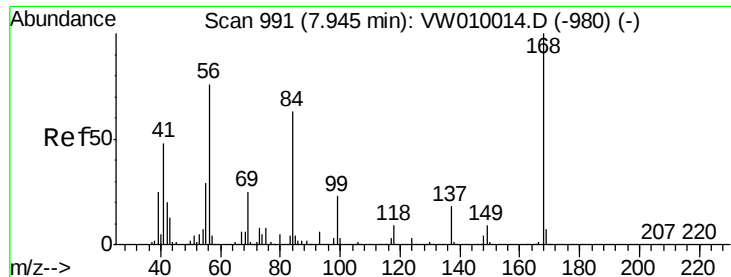
Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 434485

Ion Ratio Lower Upper

168 100

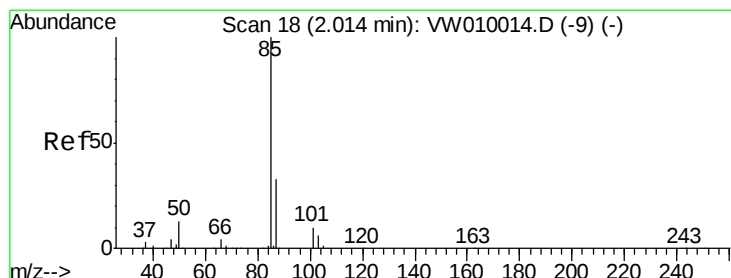
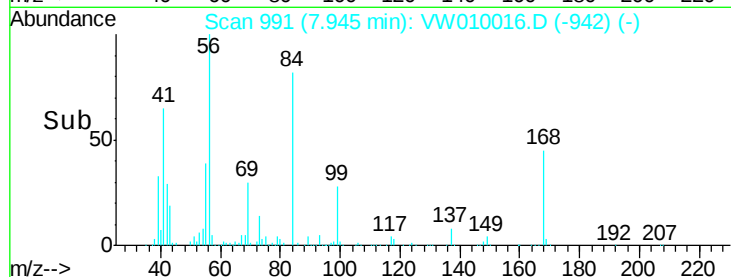
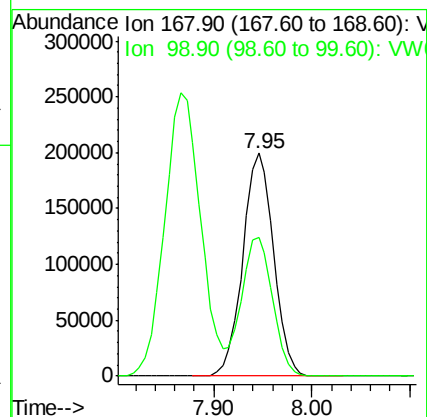
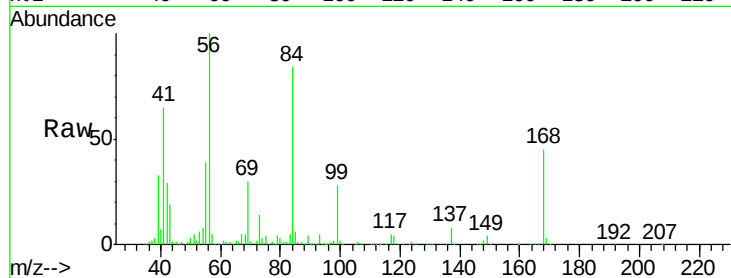
99 61.9 48.4 72.6

Manual Integrations

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4/18/2019 11:40:22 AM



#2

Dichlorodifluoromethane

Concen: 147.295 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010016.D

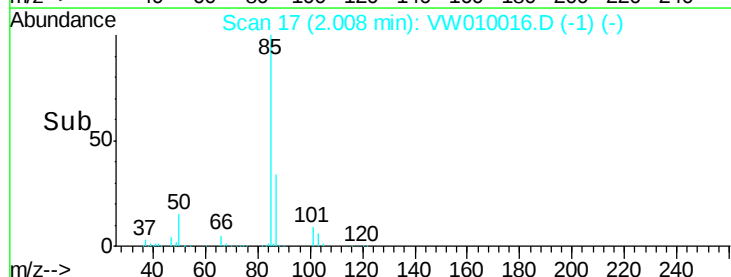
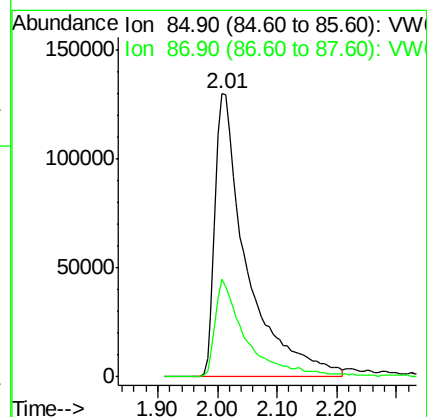
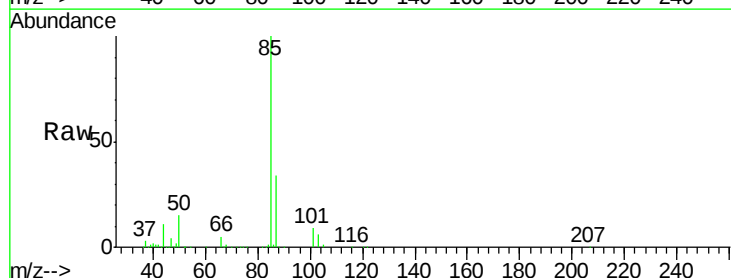
Acq: 17 Apr 2019 13:11

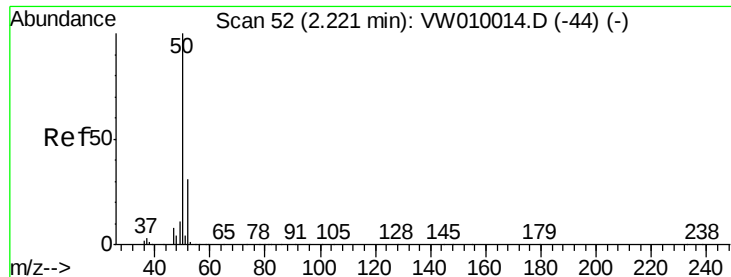
Tgt Ion: 85 Resp: 479792

Ion Ratio Lower Upper

85 100

87 34.4 16.3 48.9





#3

Chloromethane

Concen: 163.422 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 541410

Ion Ratio Lower Upper

50 100

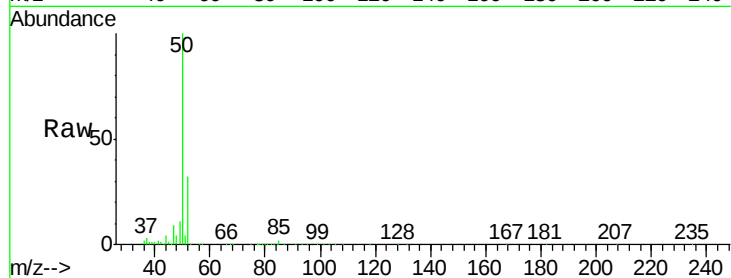
52 32.4 25.0 37.6

Manual Integrations

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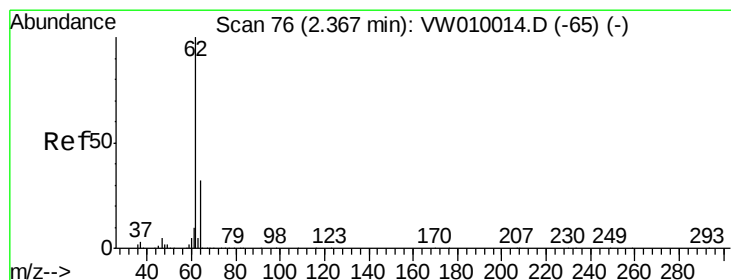
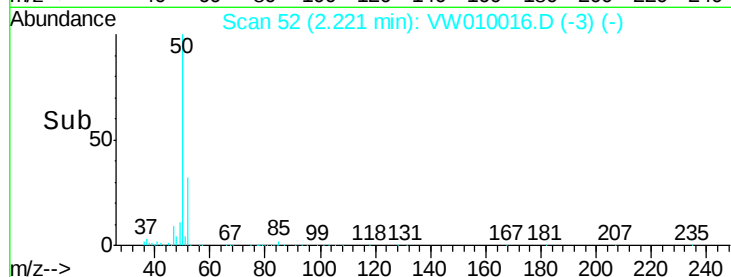
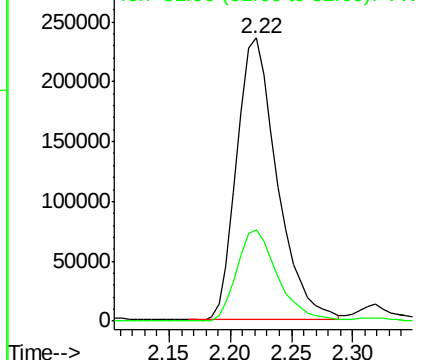
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 156.500 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010016.D

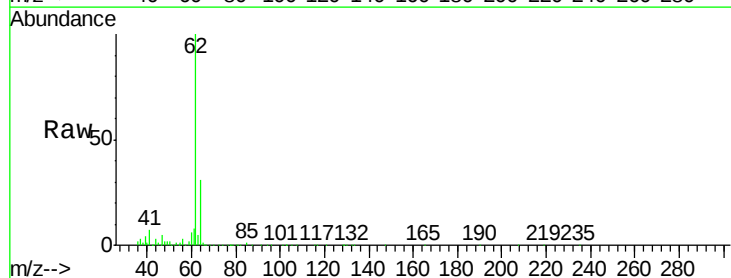
Acq: 17 Apr 2019 13:11

Tgt Ion: 62 Resp: 602673

Ion Ratio Lower Upper

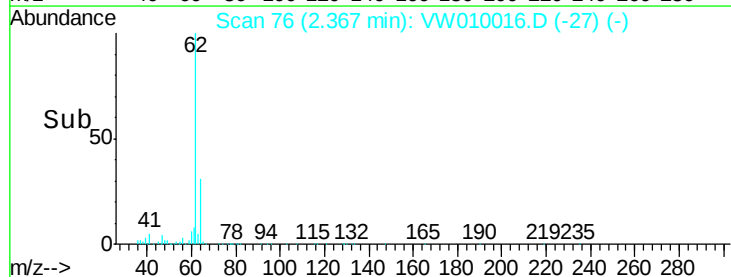
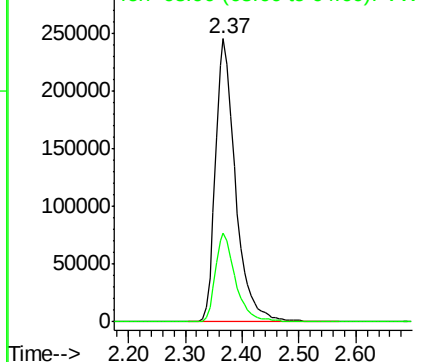
62 100

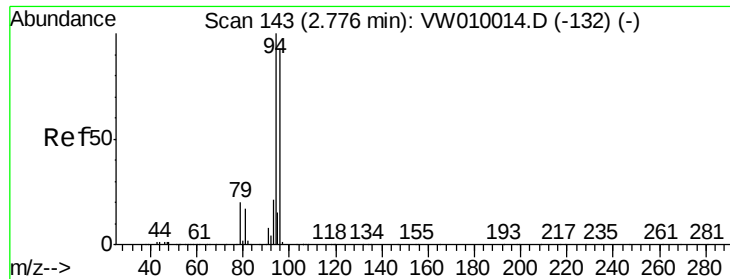
64 31.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 156.136 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tot Ion: 94 Resp: 404078

Ion Ratio Lower Upper

94 100

96 94.5 74.2 111.2

Instrument :

MSVOA_W

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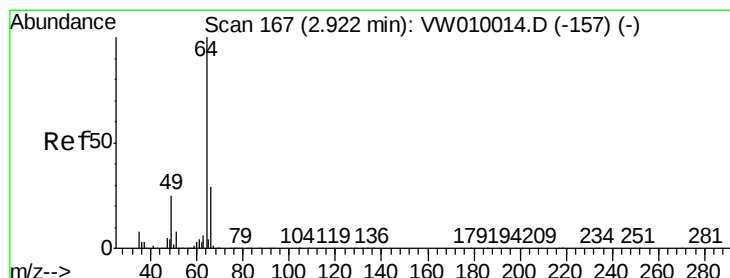
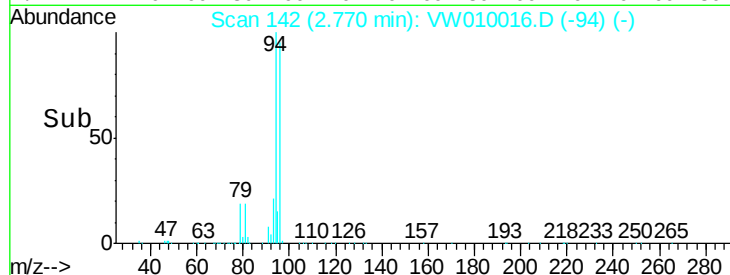
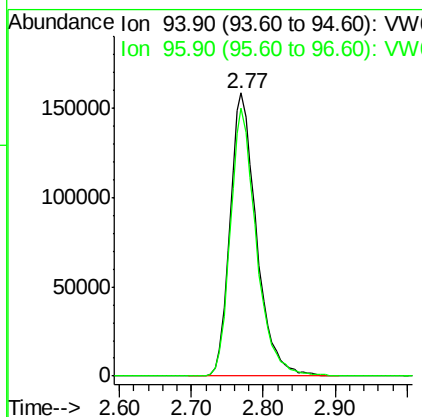
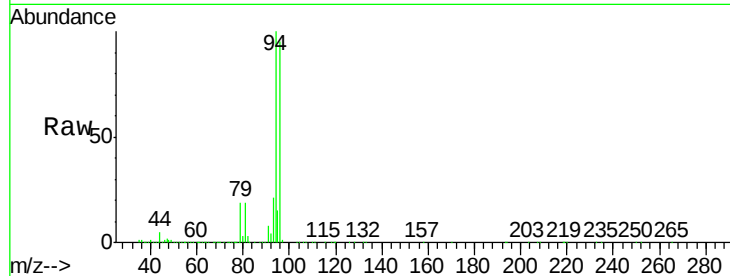
VSTDIC150

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#6

Chloroethane

Concen: 155.297 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010016.D

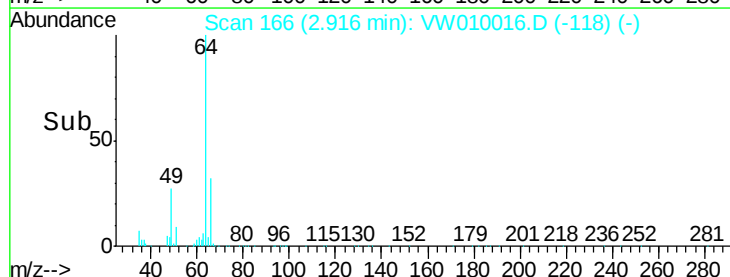
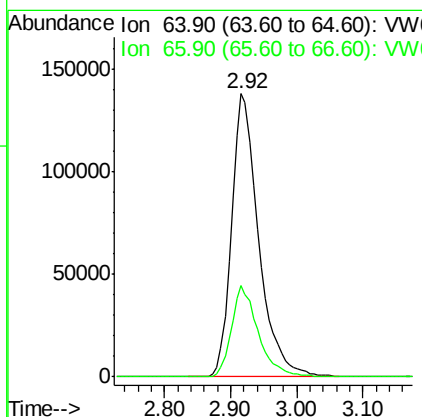
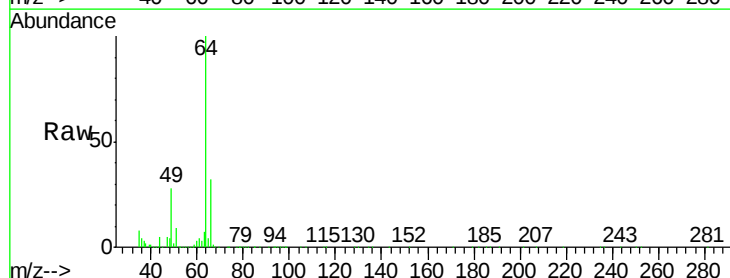
Acq: 17 Apr 2019 13:11

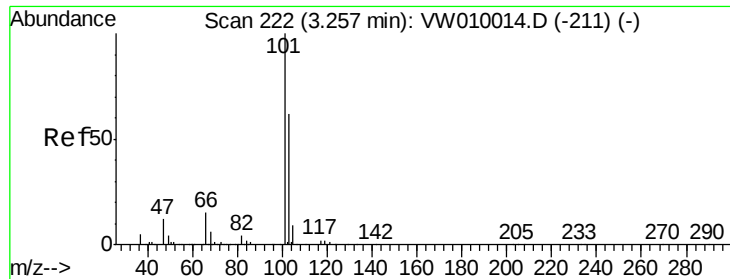
Tgt Ion: 64 Resp: 390756

Ion Ratio Lower Upper

64 100

66 32.0 23.4 35.0





#7

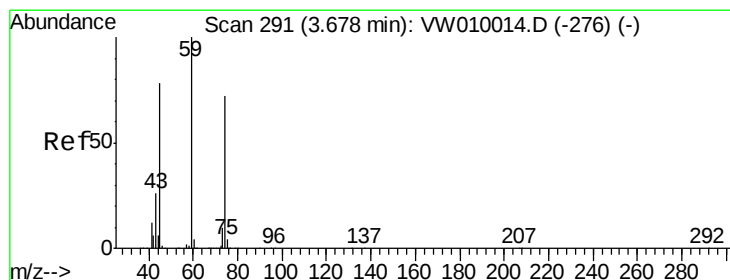
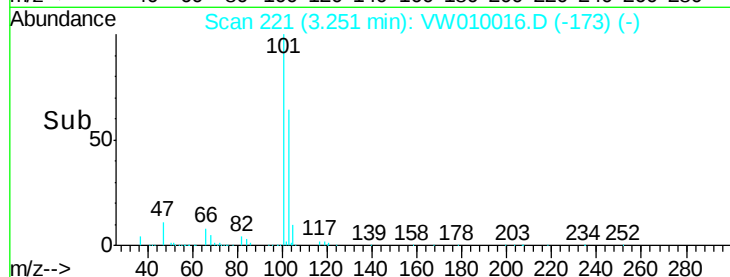
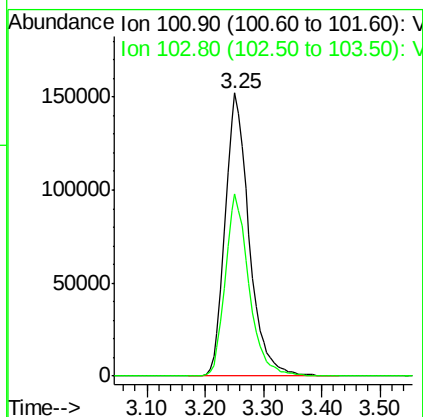
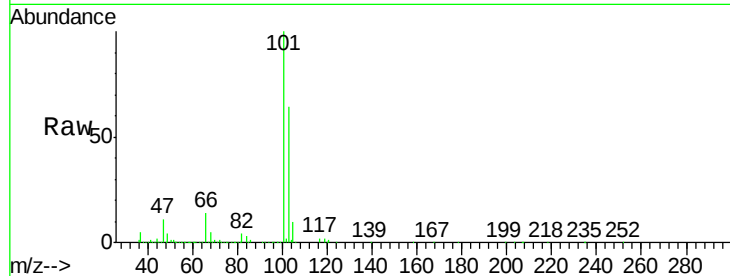
Trichlorofluoromethane
 Concen: 163.696 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	49.8	74.6

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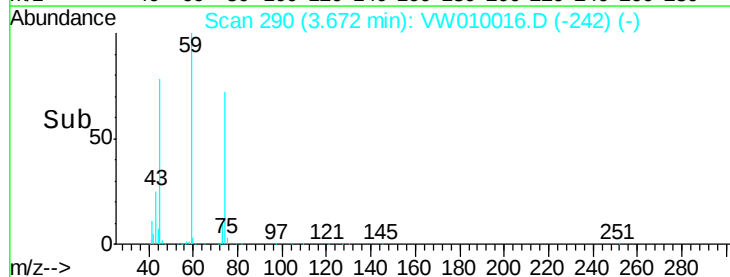
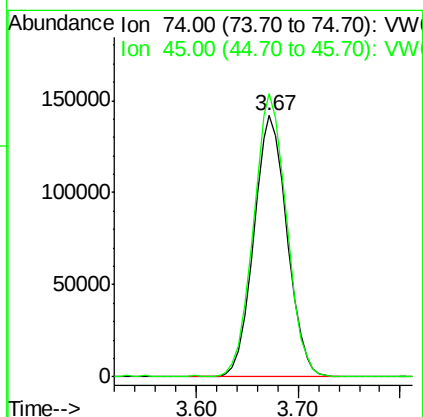
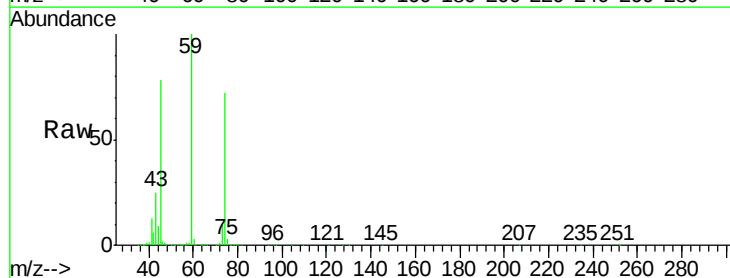
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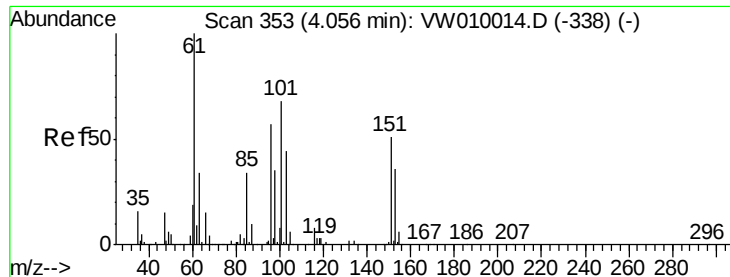


#8

Diethyl Ether
 Concen: 144.977 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.996 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

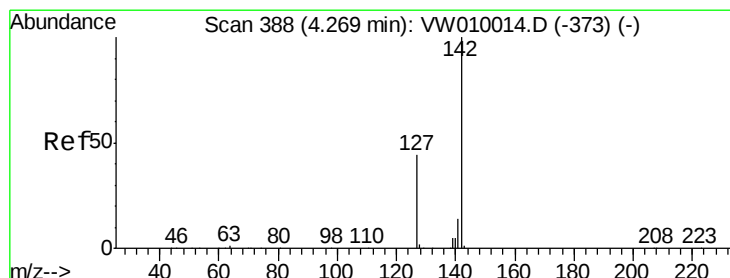
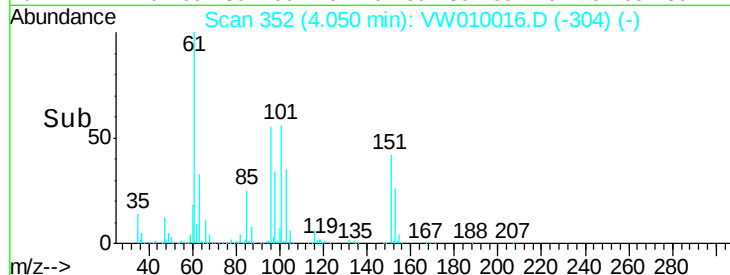
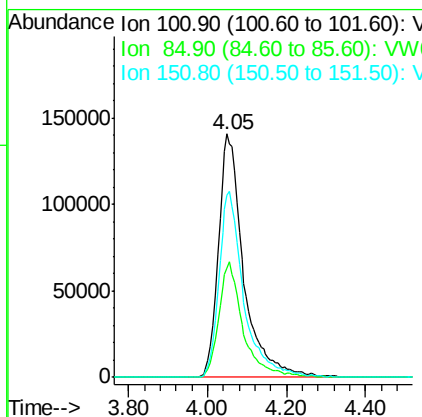
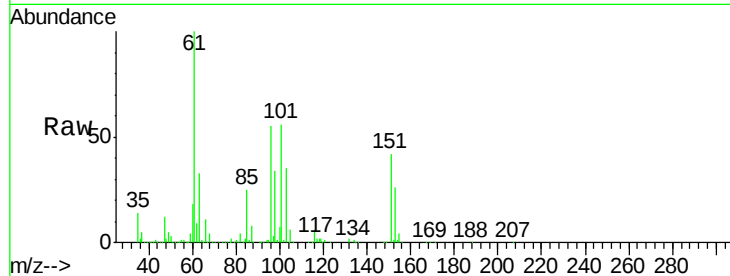
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	624040
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.3	54.5
151	75.2	60.2	90.2

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#10

Methyl Iodide

Concen: 152.654 ug/l

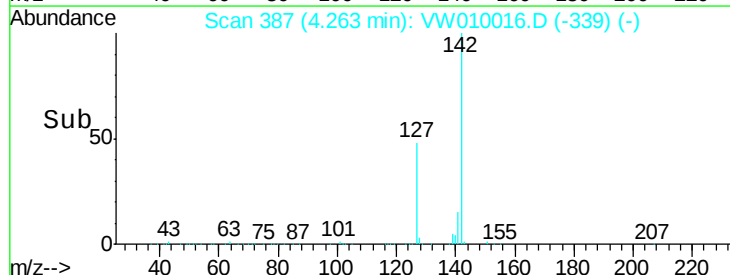
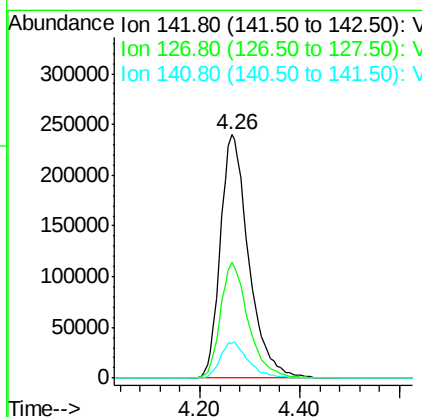
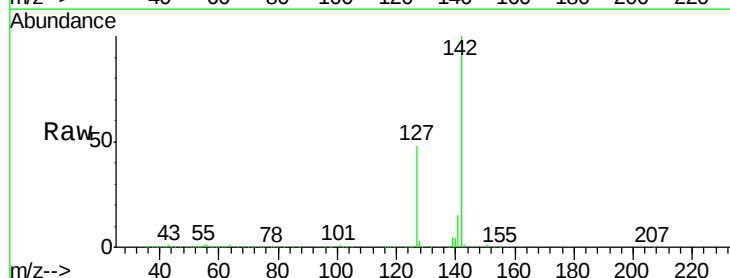
RT: 4.26 min Scan# 387

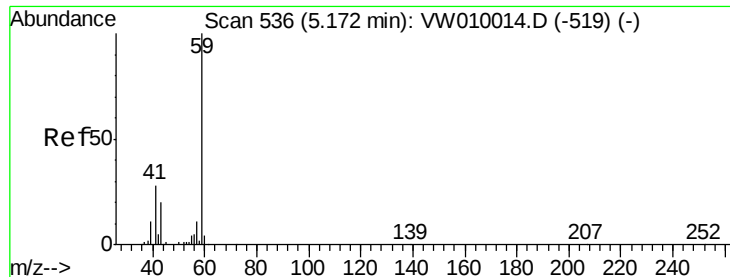
Delta R.T. -0.01 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tgt Ion:	142	Resp:	945153
Ion Ratio	Lower	Upper	
142	100		
127	47.0	38.1	57.1
141	14.7	12.2	18.2





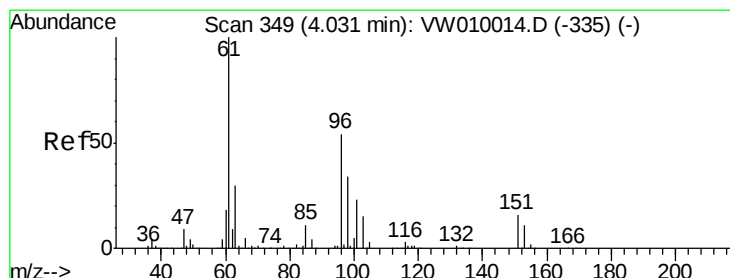
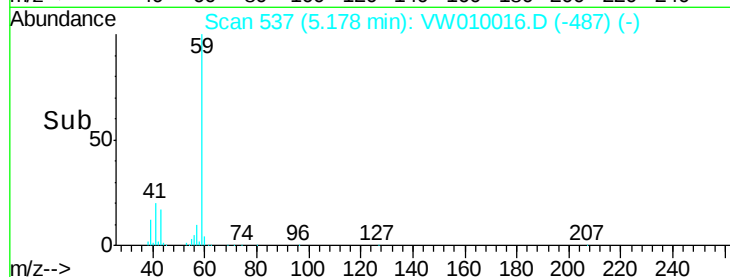
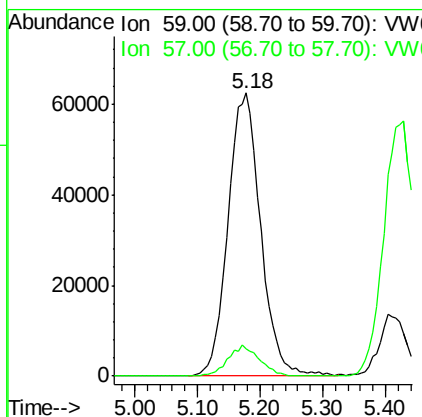
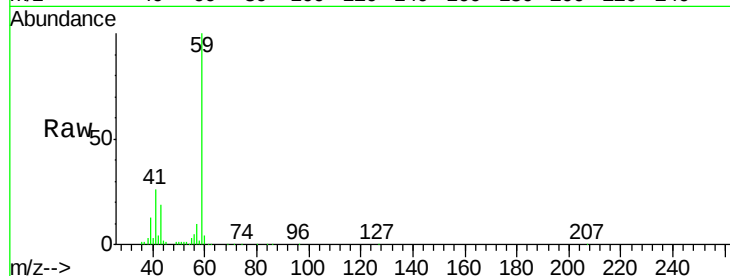
#11
Tert butyl alcohol
Concen: 737.634 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.4

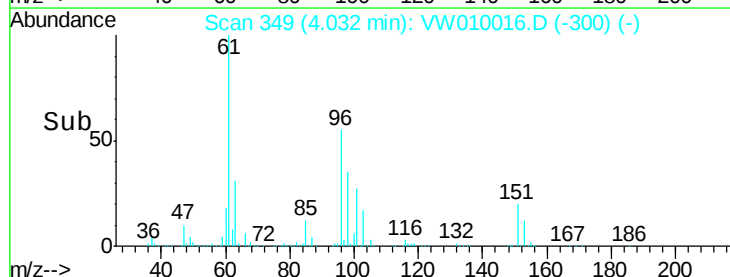
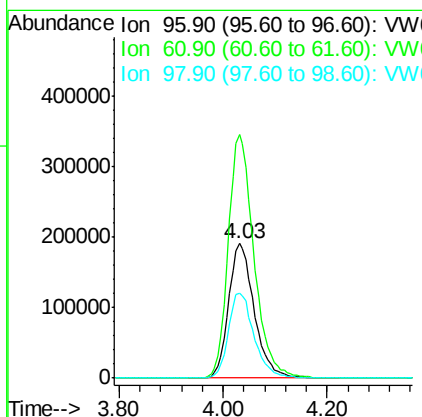
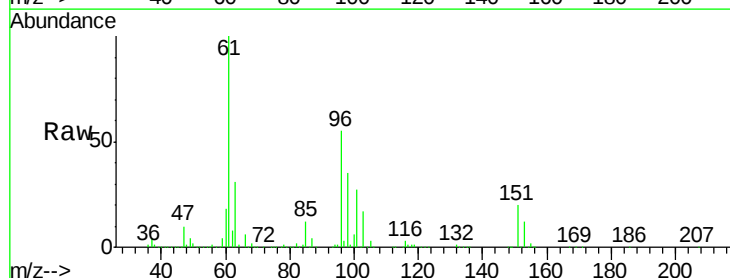
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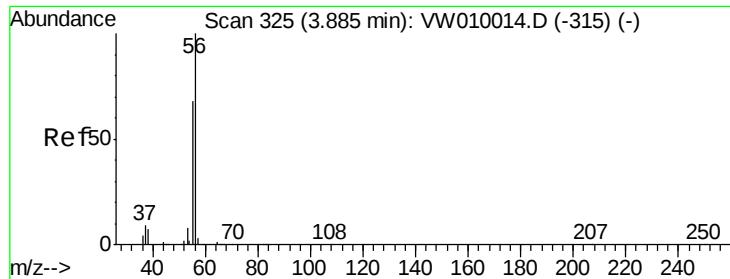
MMDadoda
4/18/2019 11:40:22 AM



#12
1,1-Dichloroethene
Concen: 151.762 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.7	147.4	221.2
98	63.0	49.7	74.5





#13

Acrolein

Concen: 718.159 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 230747

Ion Ratio Lower Upper

56 100

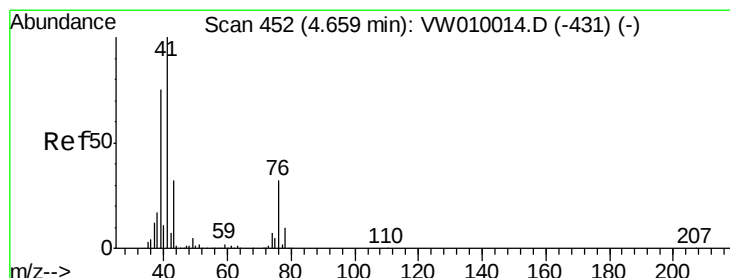
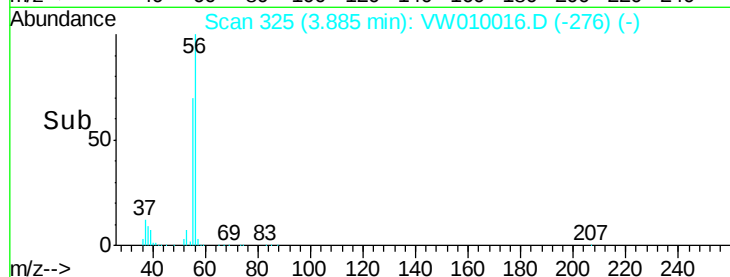
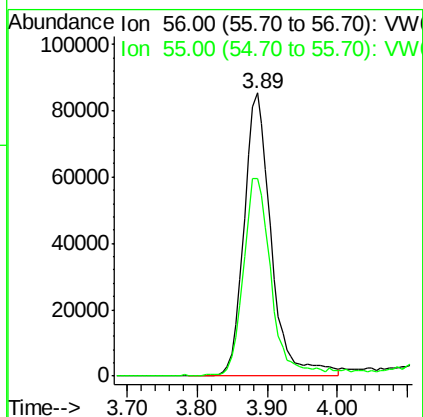
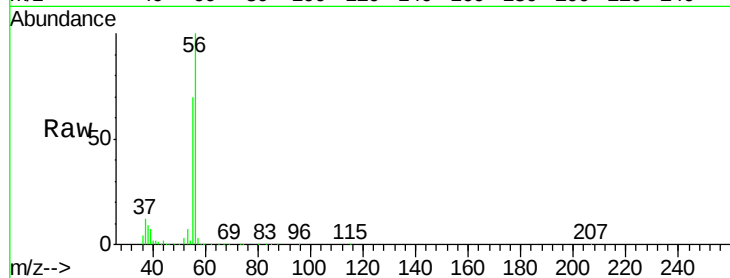
55 70.4 54.2 81.2

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#14

Allyl chloride

Concen: 152.305 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

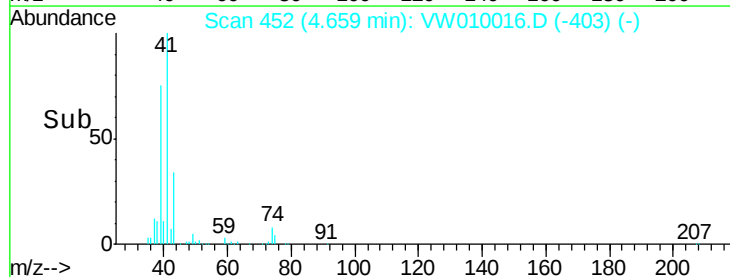
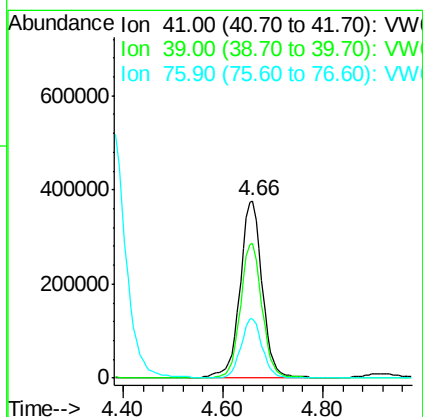
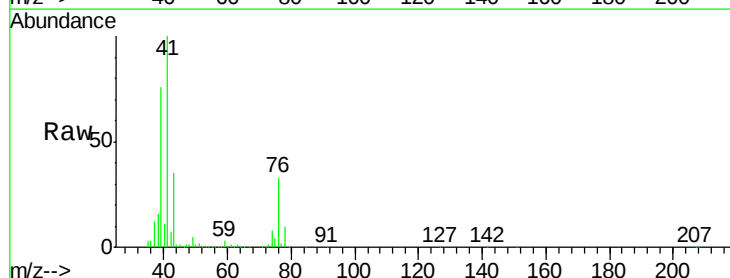
Tgt Ion: 41 Resp: 1163063

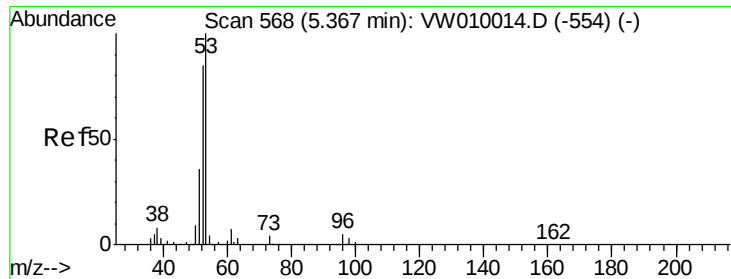
Ion Ratio Lower Upper

41 100

39 74.2 60.2 90.4

76 31.9 25.0 37.6





#15

Acrylonitrile

Concen: 745.122 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

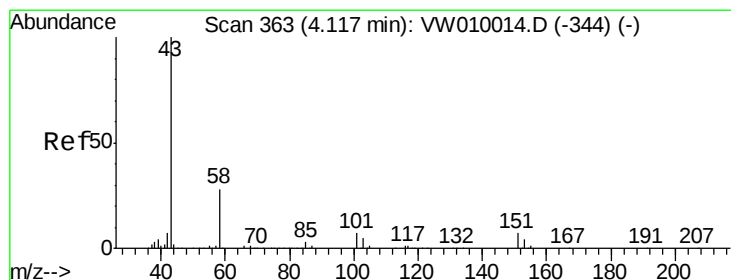
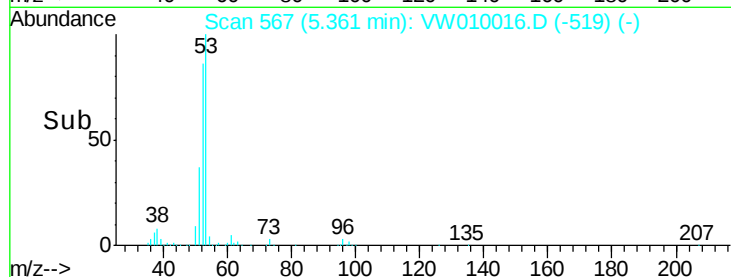
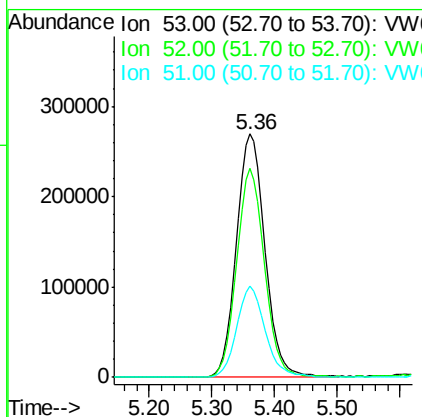
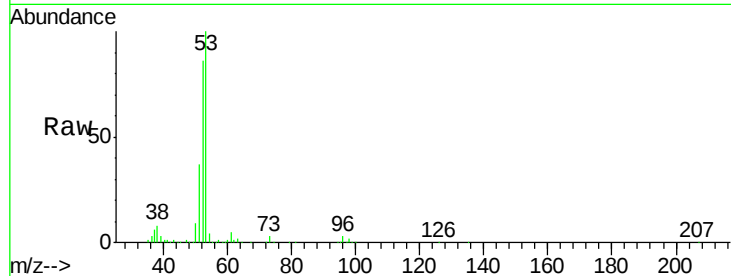
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	849286
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.6	100.0
51	37.5	30.3	45.5

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#16

Acetone

Concen: 673.190 ug/l

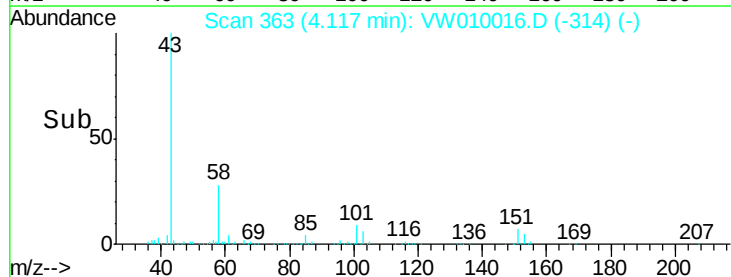
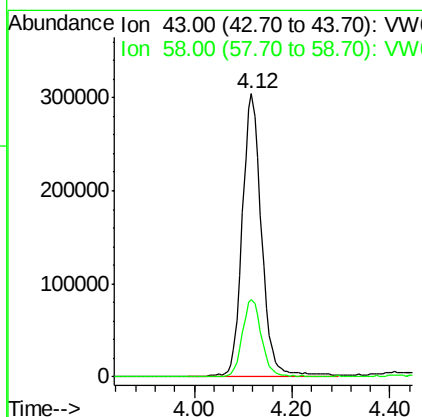
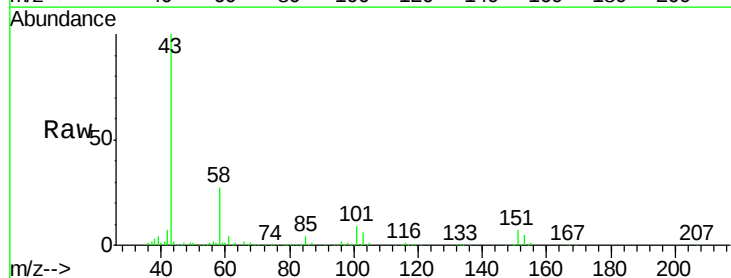
RT: 4.12 min Scan# 363

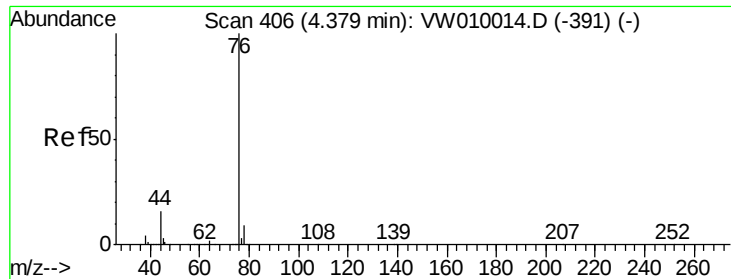
Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tgt Ion:	43	Resp:	837479
Ion Ratio	Lower	Upper	
43	100		
58	27.3	22.7	34.1





#17

Carbon Disulfide

Concen: 166.106 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1957110

Ion Ratio Lower Upper

76 100

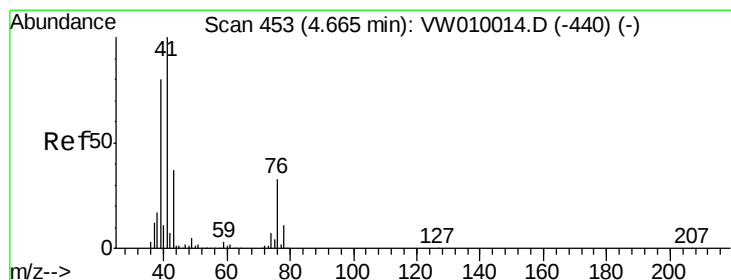
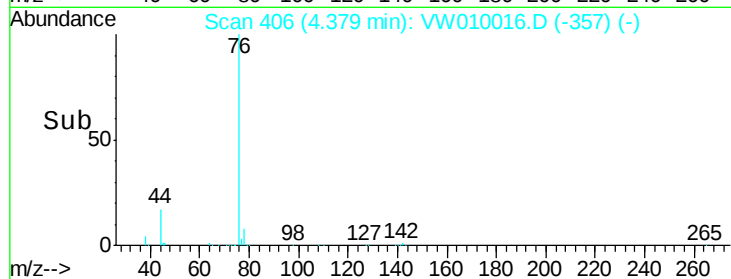
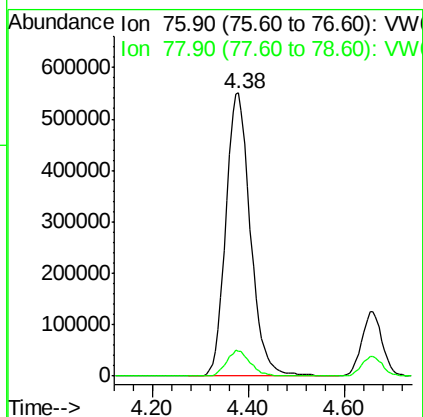
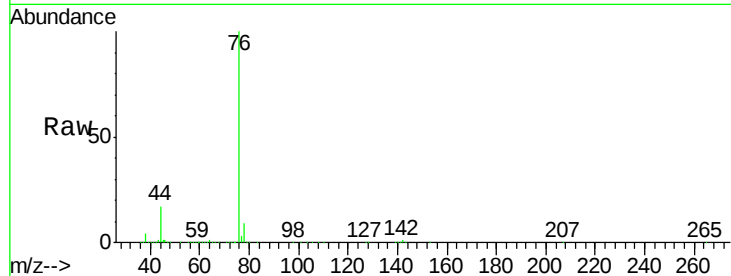
78 8.8 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 138.933 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010016.D

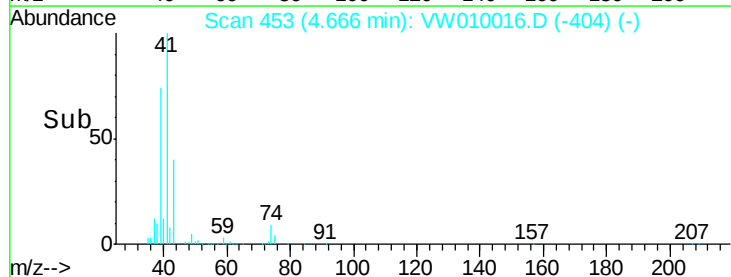
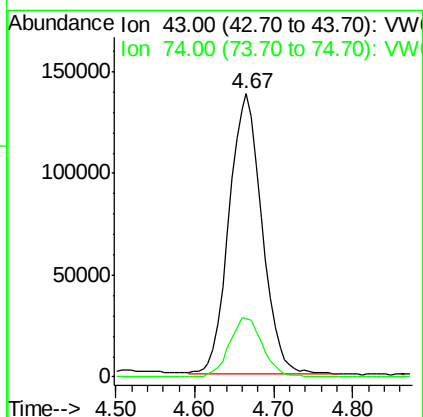
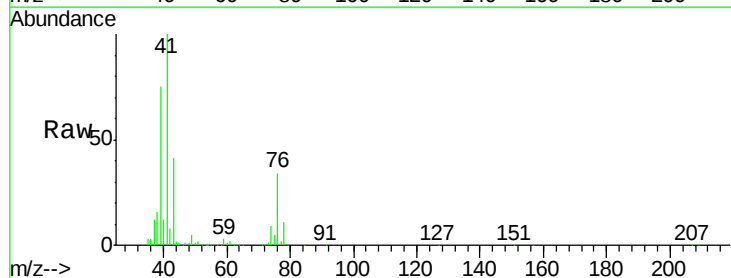
Acq: 17 Apr 2019 13:11

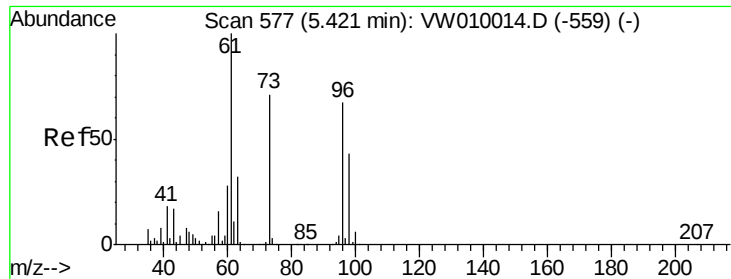
Tgt Ion: 43 Resp: 400019

Ion Ratio Lower Upper

43 100

74 21.3 16.8 25.2





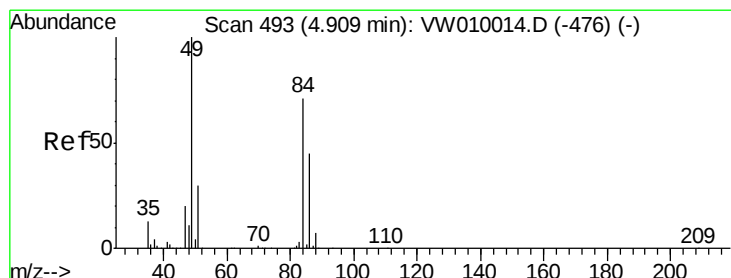
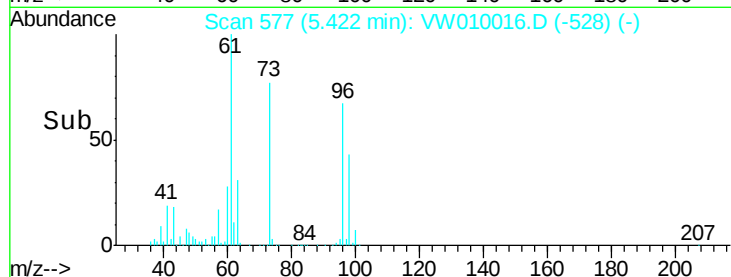
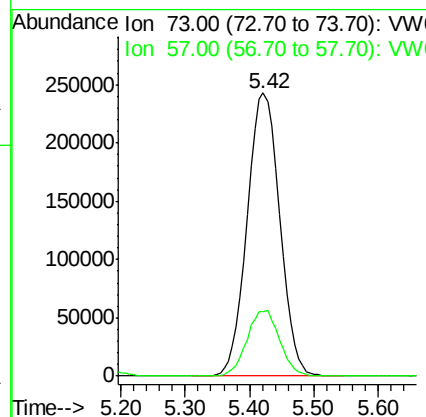
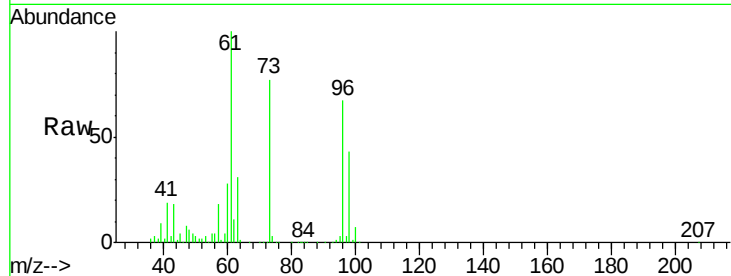
#19
Methvl tert-butvl Ether
Concen: 151.972 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 847847
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7

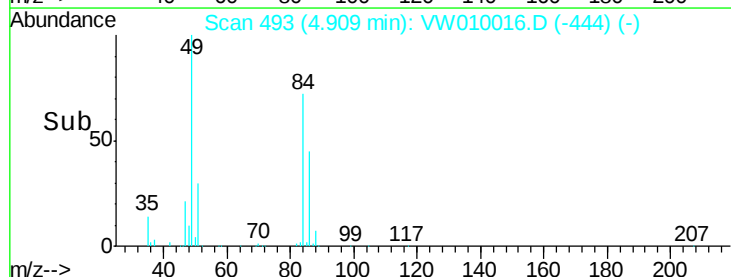
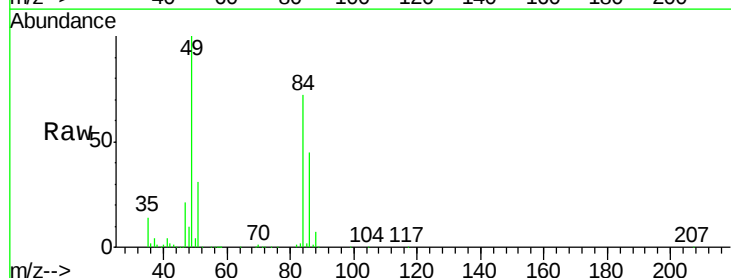
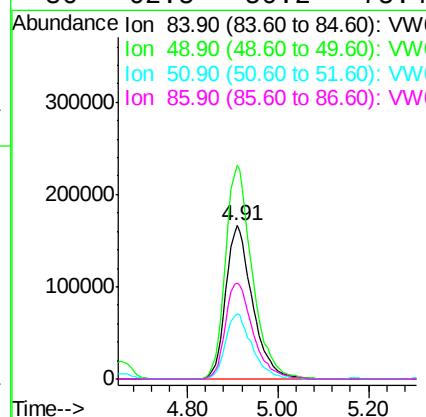
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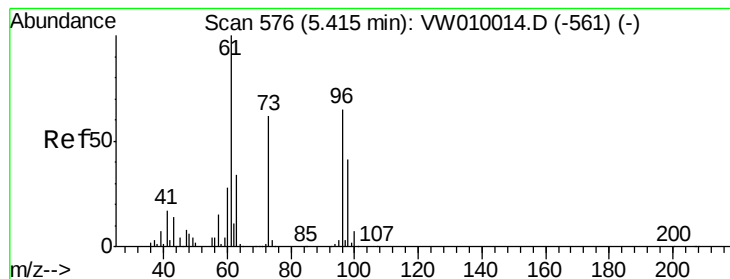
MMDadoda
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#20
Methylene Chloride
Concen: 118.775 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion: 84 Resp: 679794
Ion Ratio Lower Upper
84 100
49 139.5 112.3 168.5
51 42.5 33.9 50.9
86 62.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 153.212 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

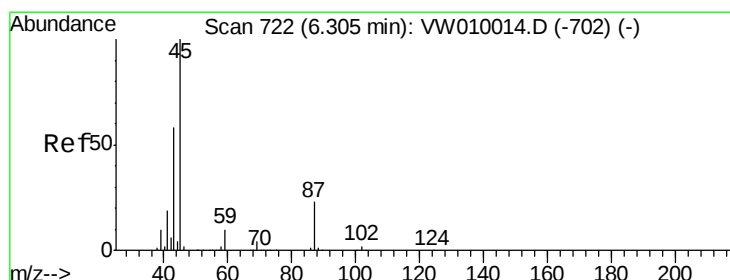
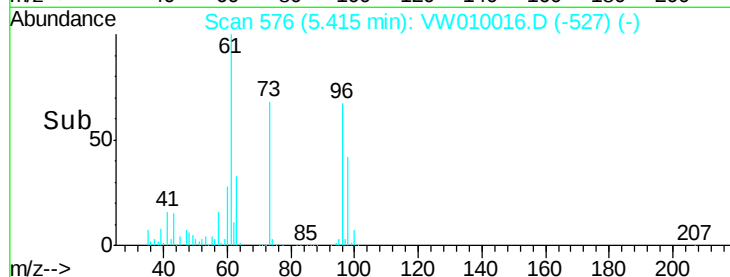
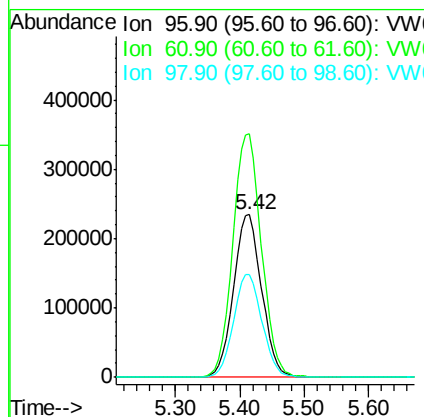
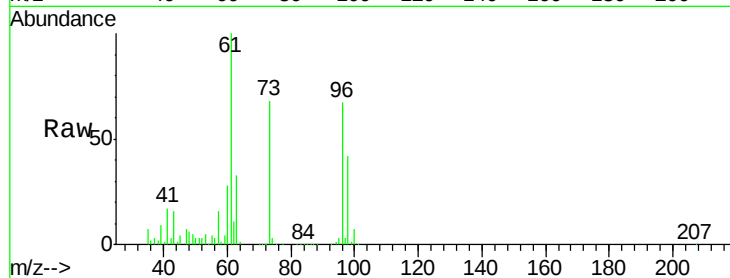
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	712625
Ion	Ratio	Lower	Upper
96	100		
61	149.8	122.3	183.5
98	63.4	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 146.923 ug/l

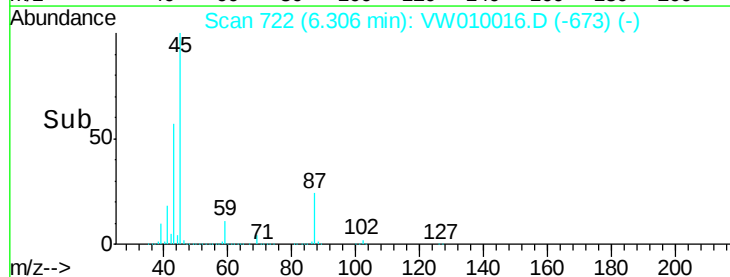
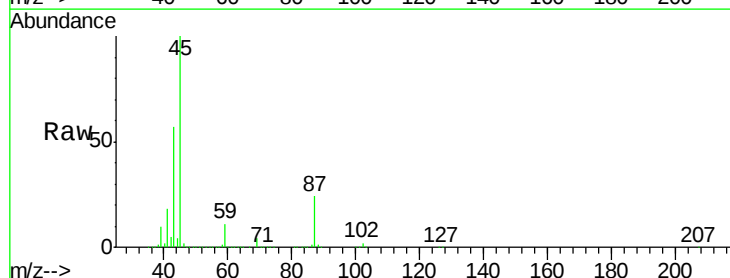
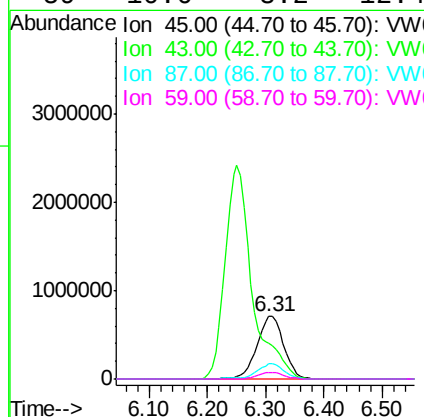
RT: 6.31 min Scan# 722

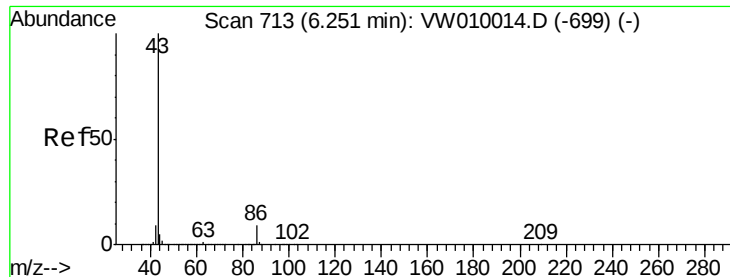
Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tgt Ion:	45	Resp:	2275802
Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.1	69.1
87	24.3	18.3	27.5
59	10.6	8.2	12.4





#23

Vinyl Acetate

Concen: 798.914 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tot Ion: 43 Resp: 7790245

Ion Ratio Lower Upper

43 100

86 9.3 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

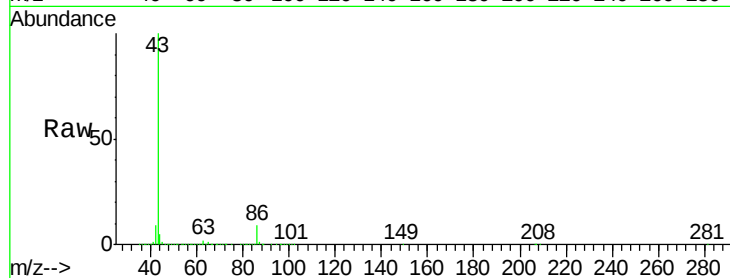
VSTDIC150

Manual Integrations

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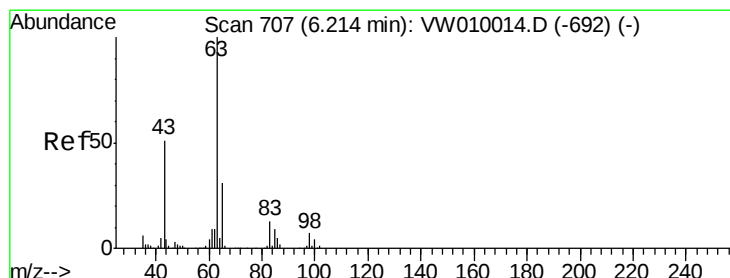
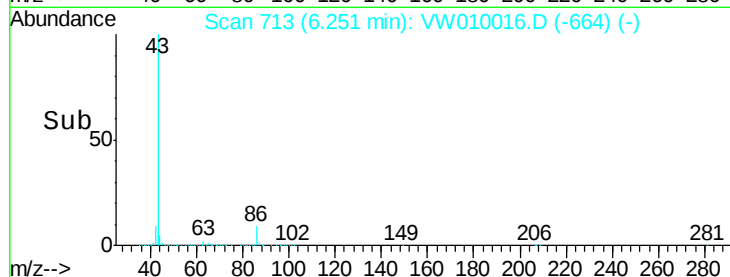
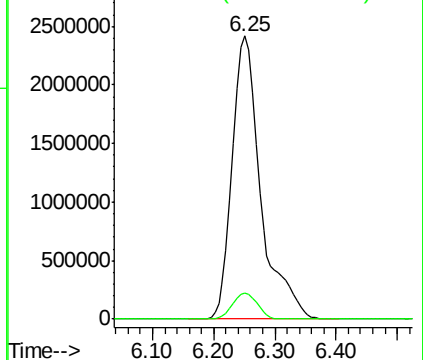
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 144.135 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

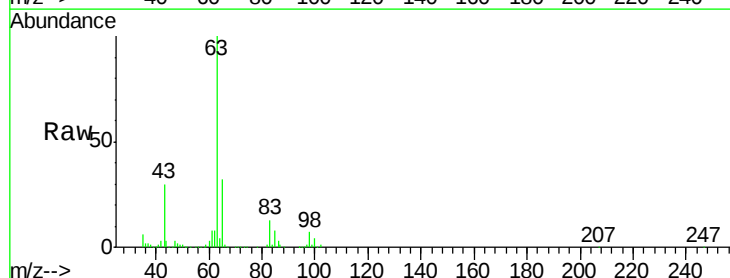
Tgt Ion: 63 Resp: 1334662

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

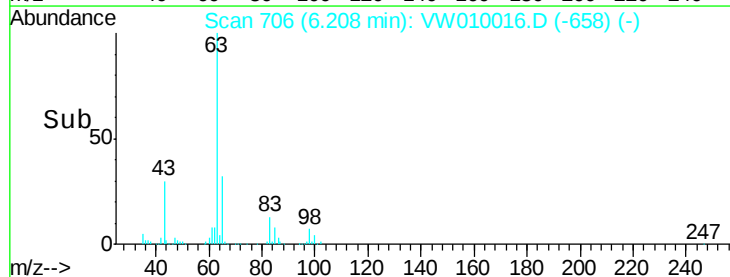
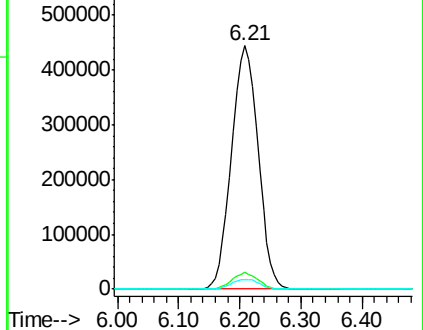
100 4.1 2.0 6.0

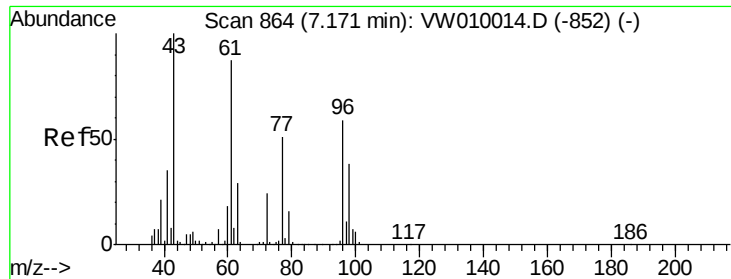


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 767.340 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1253983

Ion Ratio Lower Upper

43 100

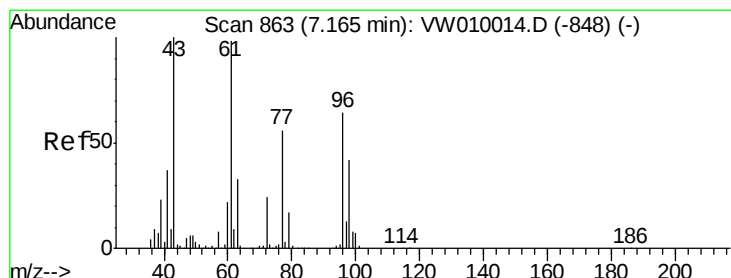
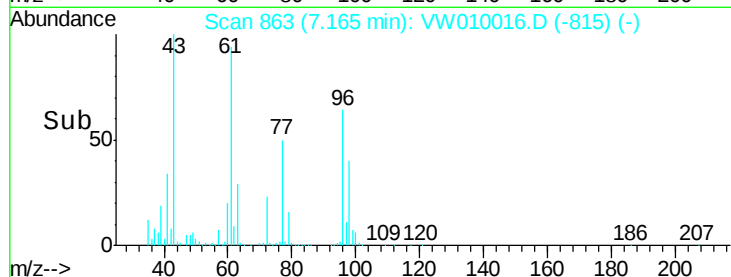
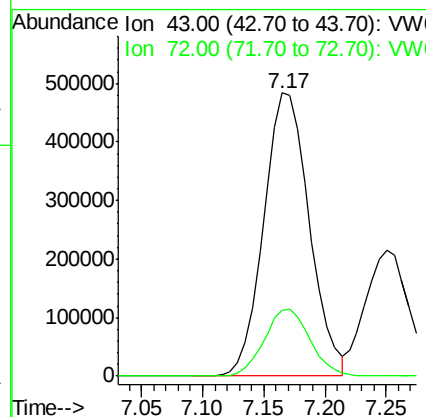
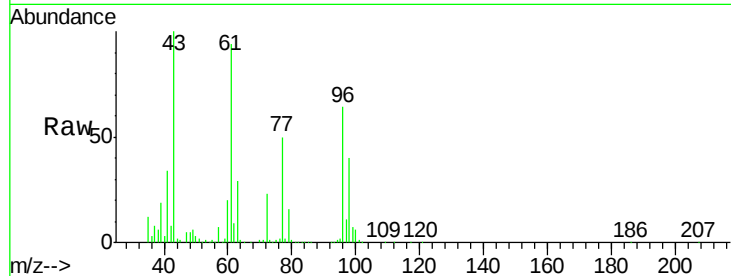
72 23.1 19.1 28.7

Manual Integrations

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4/18/2019 11:40:22 AM



#26

2,2-Dichloropropane

Concen: 136.077 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010016.D

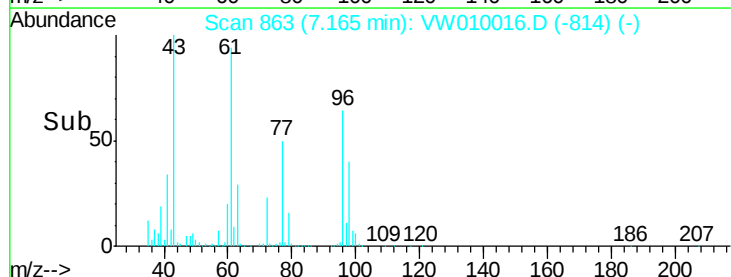
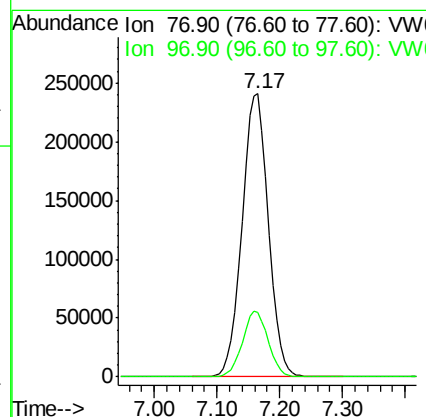
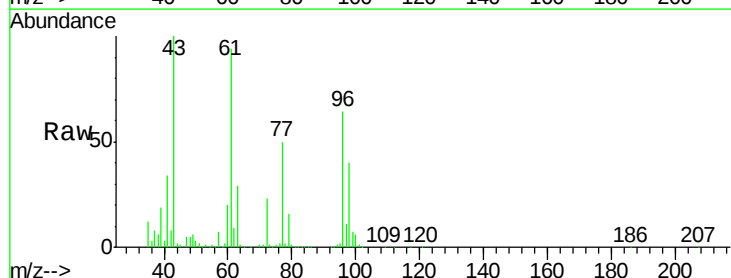
Acq: 17 Apr 2019 13:11

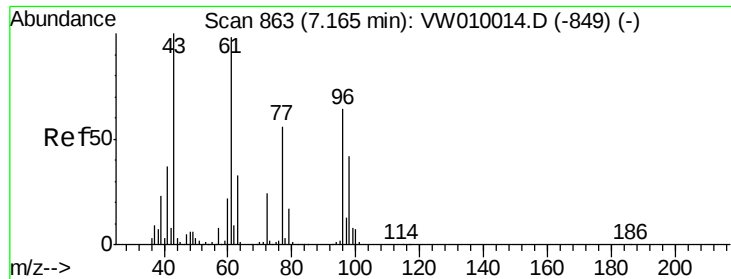
Tgt Ion: 77 Resp: 697130

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

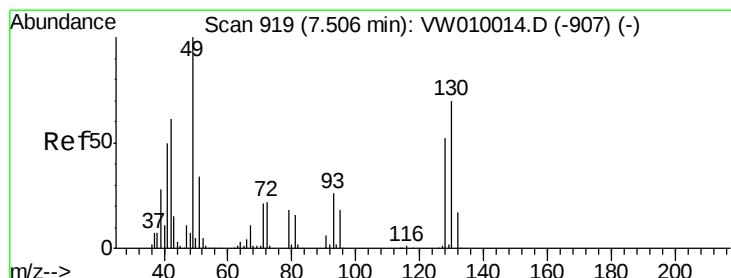
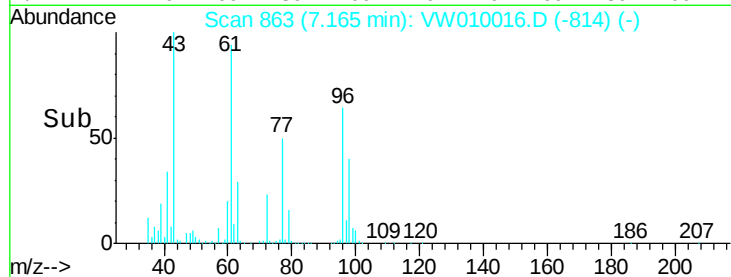
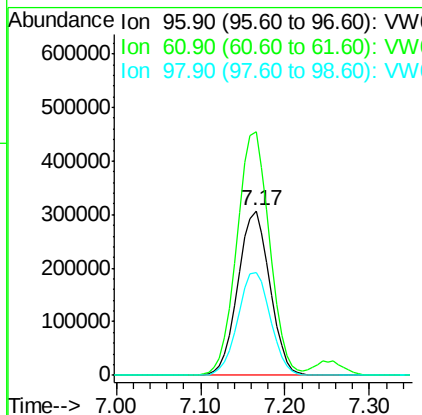
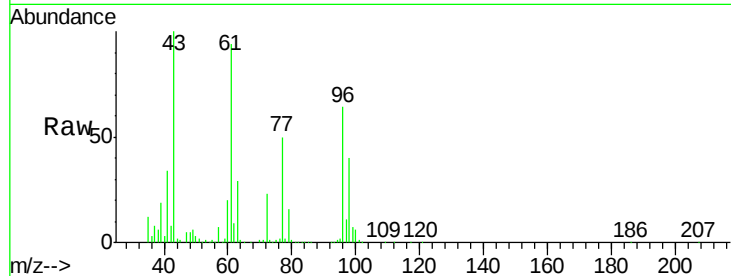
cis-1,2-Dichloroethene
Concen: 153.530 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	785367		
61	151.5	0.0	309.4	
98	64.0	0.0	128.6	

Manual Integrations
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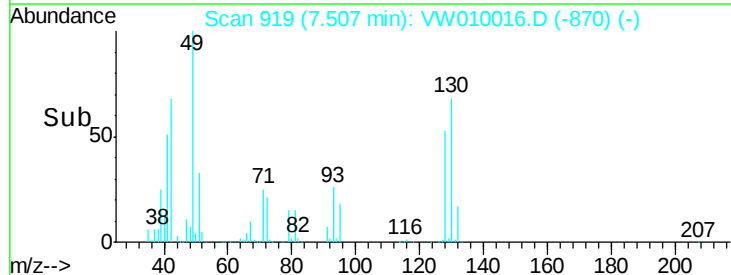
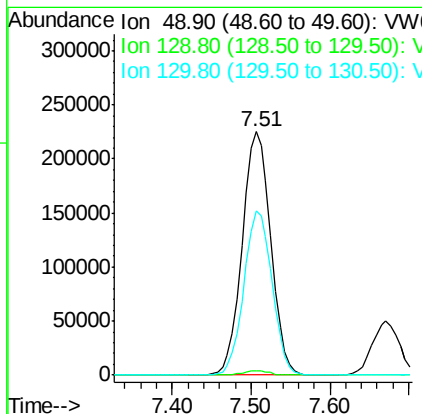
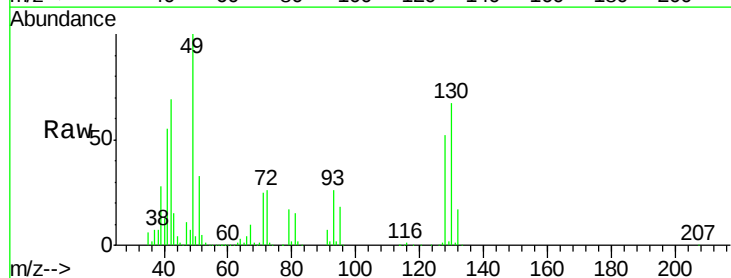
MMDadoda
4/18/2019 11:40:22 AM

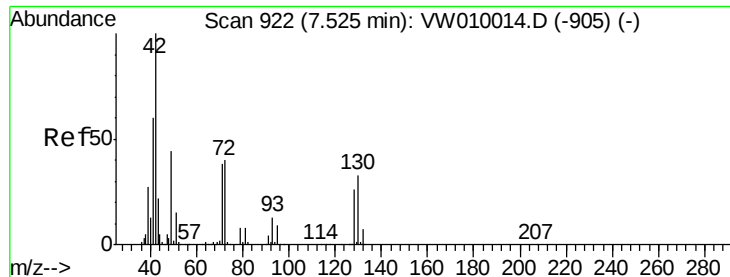


#28

Bromochloromethane
Concen: 149.520 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	565810		
129	1.9	0.0	3.8	
130	66.7	54.6	82.0	





#29

Tetrahydrofuran

Concen: 780.623 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

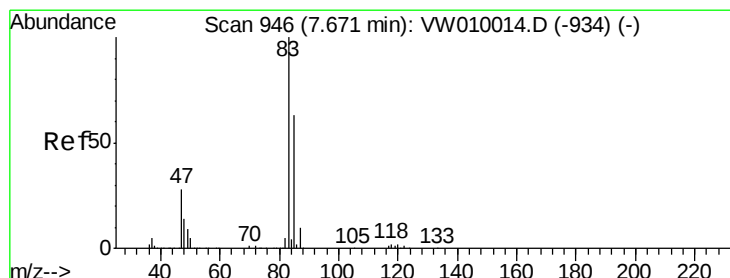
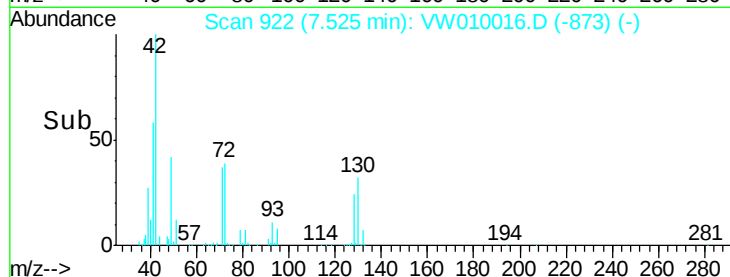
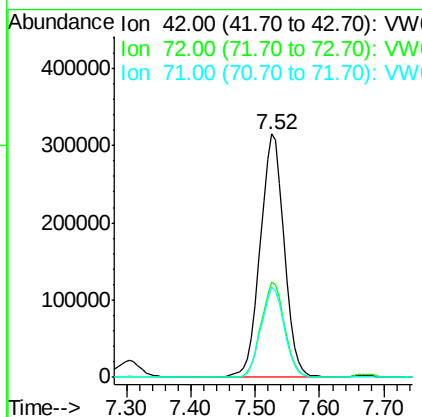
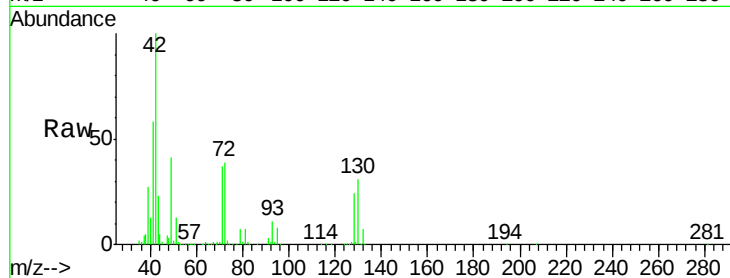
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100		808318		
72	38.3	31.0	46.6		
71	36.1	29.7	44.5		

Manual Integrations
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#30

Chloroform

Concen: 141.462 ug/l

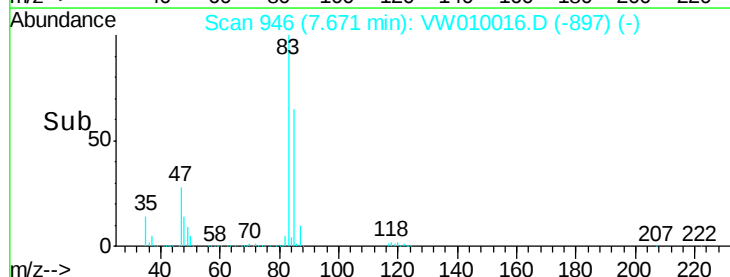
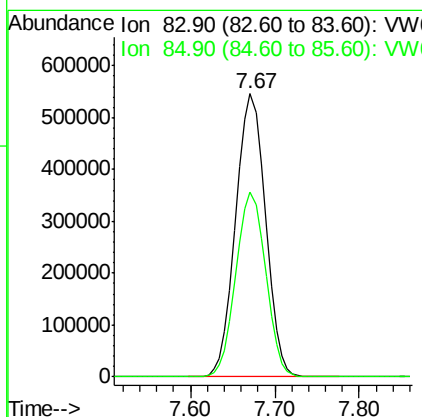
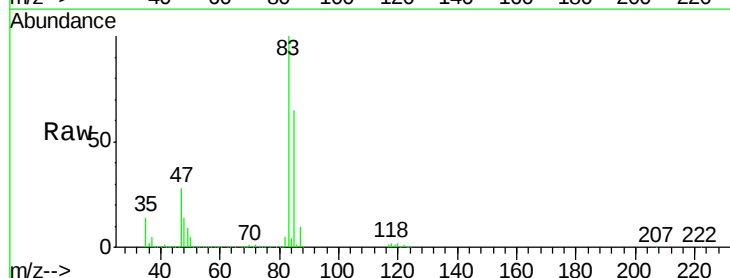
RT: 7.67 min Scan# 946

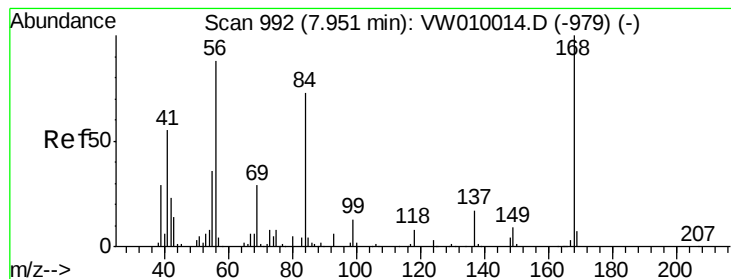
Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		1312548		
85	65.5	50.7	76.1		





#31

Cvclohexane

Concen: 143.162 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1241366

Ion Ratio Lower Upper

56 100

69 30.2 26.6 40.0

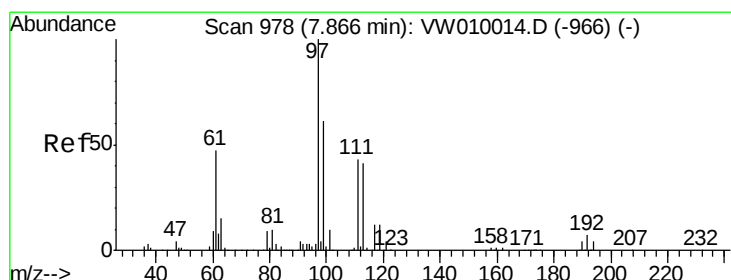
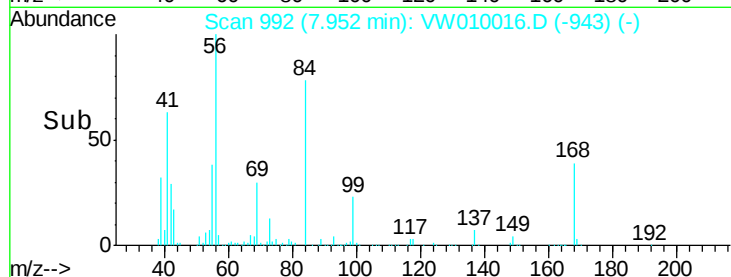
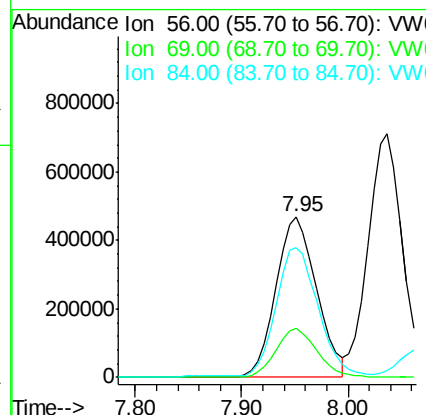
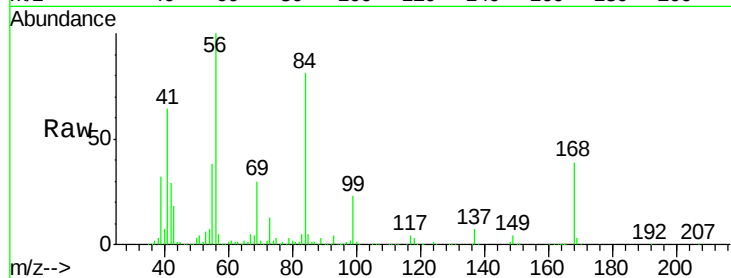
84 79.6 66.2 99.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 140.453 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

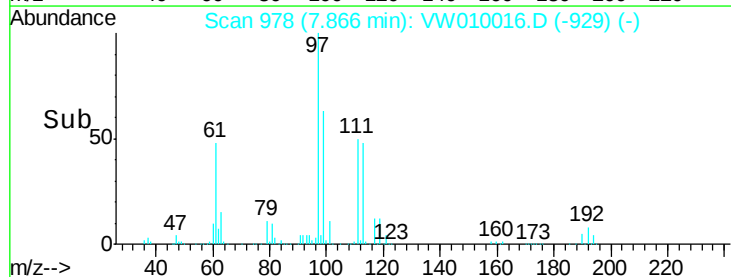
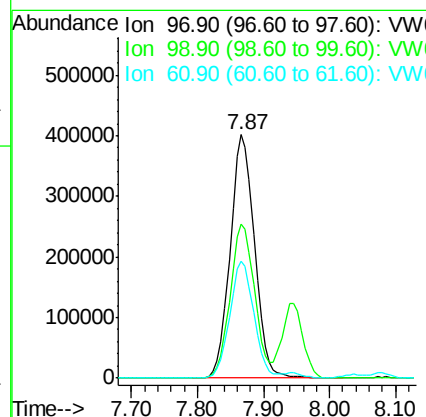
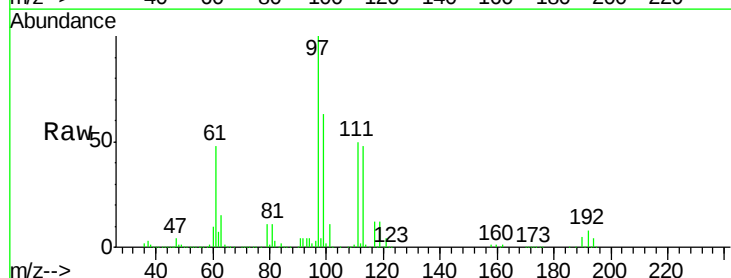
Tgt Ion: 97 Resp: 1023054

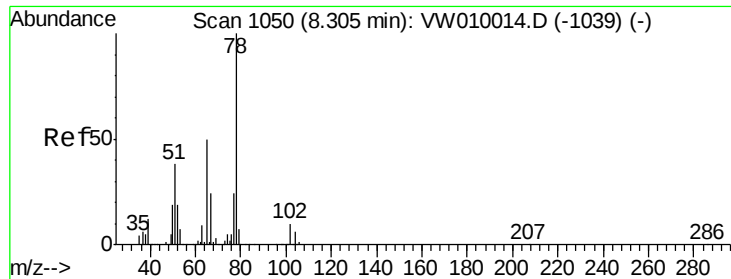
Ion Ratio Lower Upper

97 100

99 63.2 50.2 75.2

61 47.6 38.2 57.2





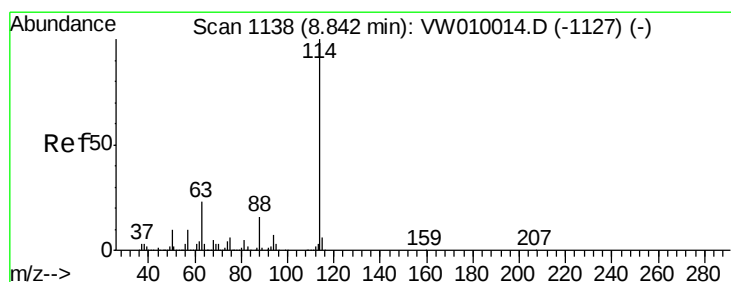
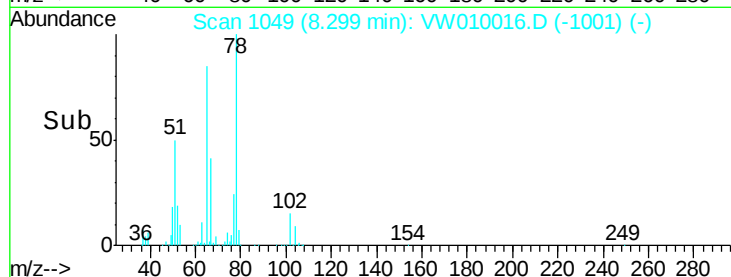
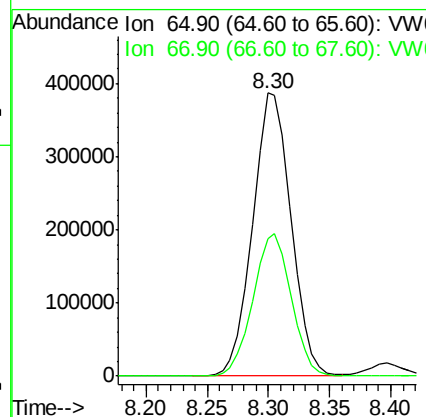
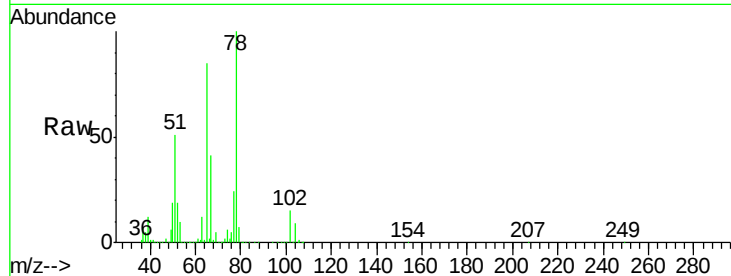
#33
 1,2-Dichloroethane-d4
 Concen: 157.843 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8

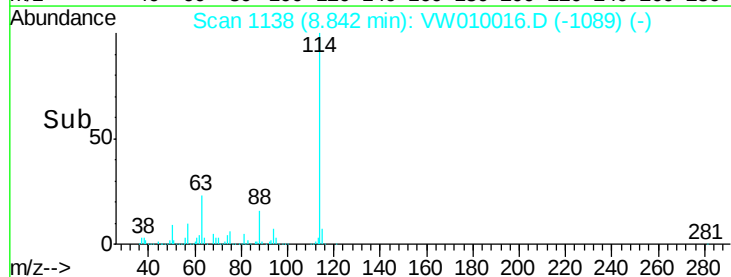
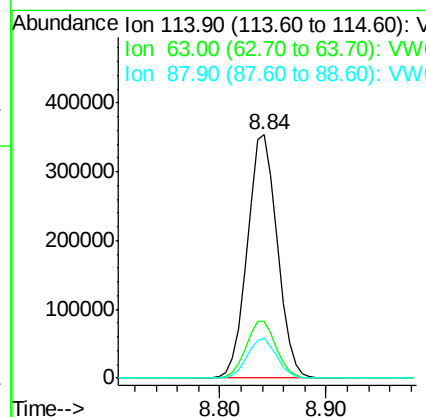
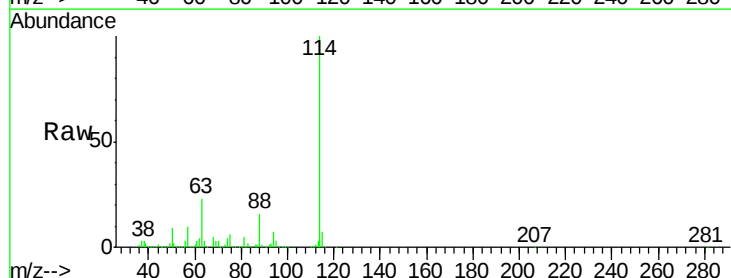
Manual Integrations
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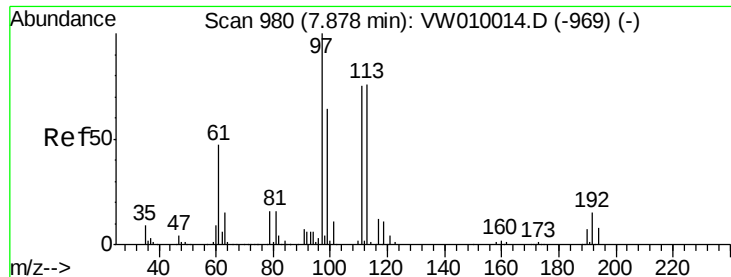
MMDadoda
 4/18/2019 11:40:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	46.2
88	16.5	0.0	32.6





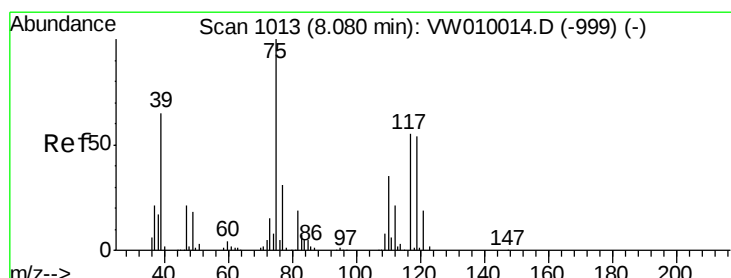
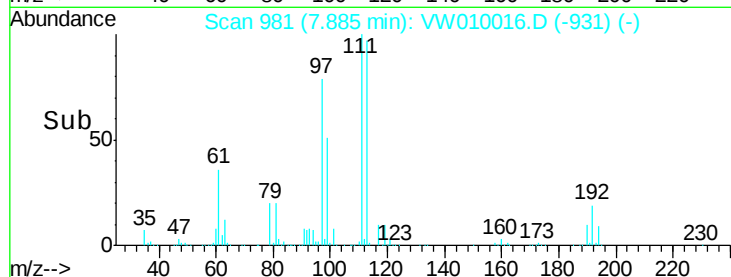
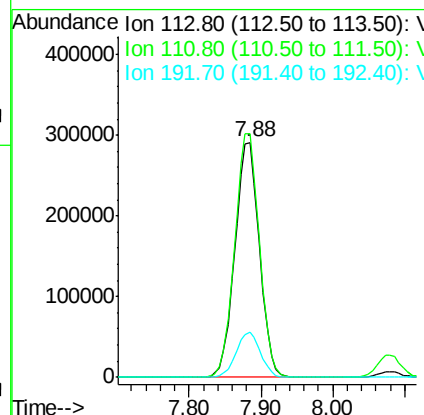
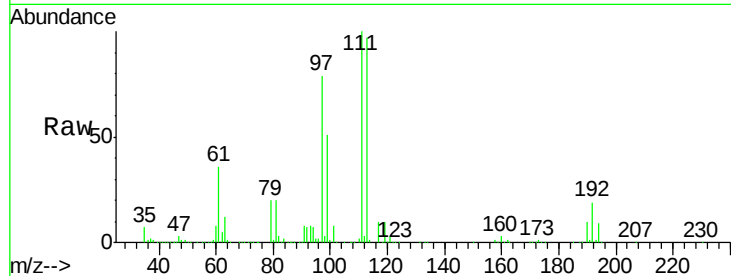
#35
 Dibromofluoromethane
 Concen: 154.857 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	123.8
192	19.1	15.4	23.2

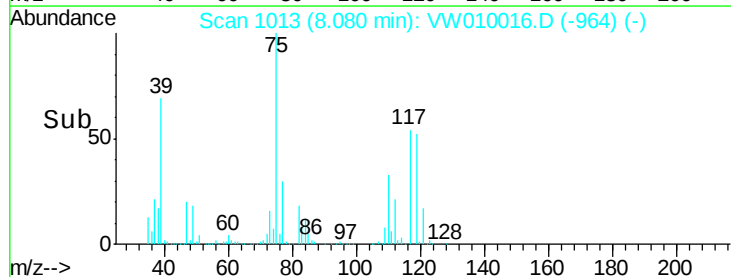
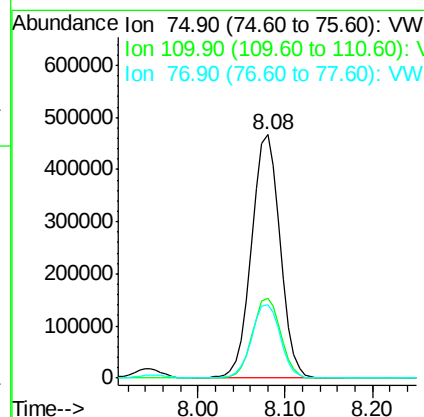
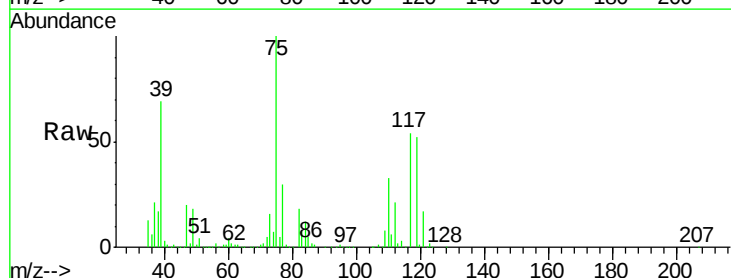
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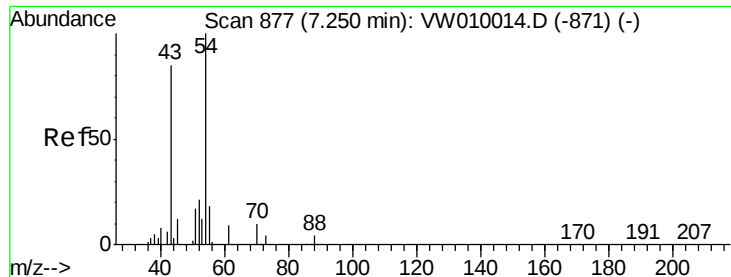
MMDadoda
 4/18/2019 11:40:22 AM



#36
 1,1-Dichloropropene
 Concen: 147.967 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.6	49.8
77	30.6	24.8	37.2





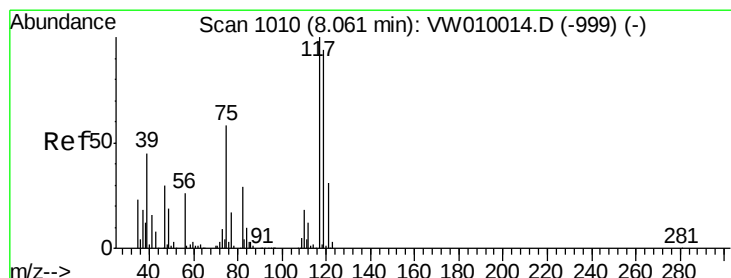
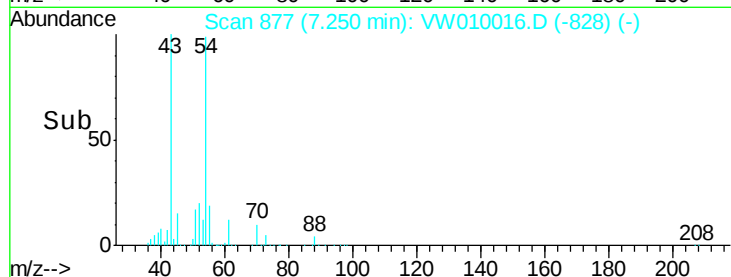
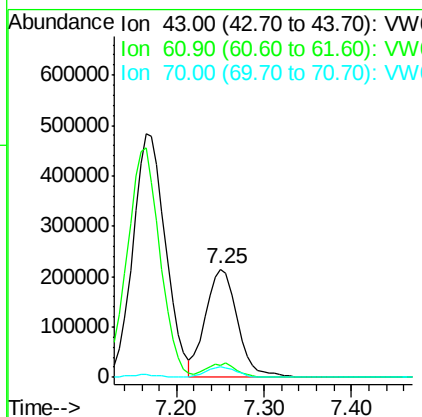
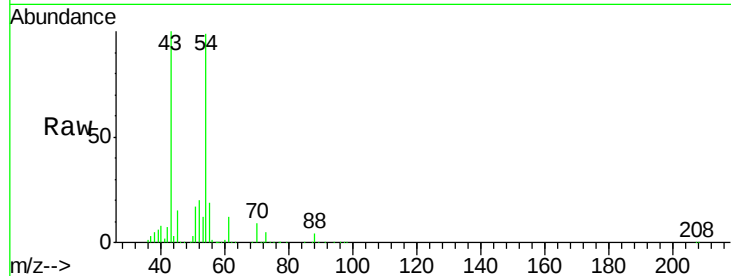
#37
Ethyl Acetate
Concen: 150.703 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.2	7.4	11.0

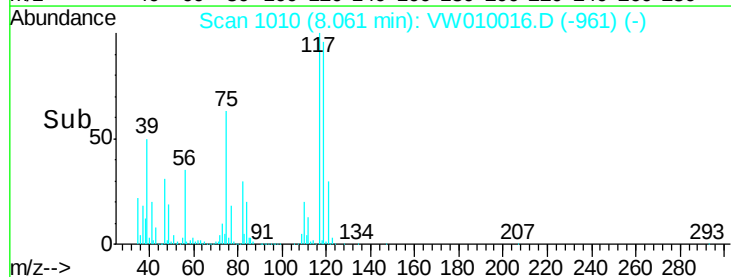
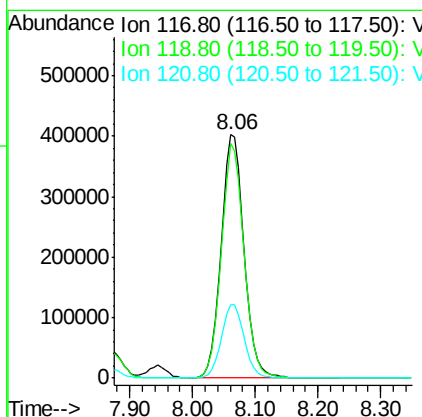
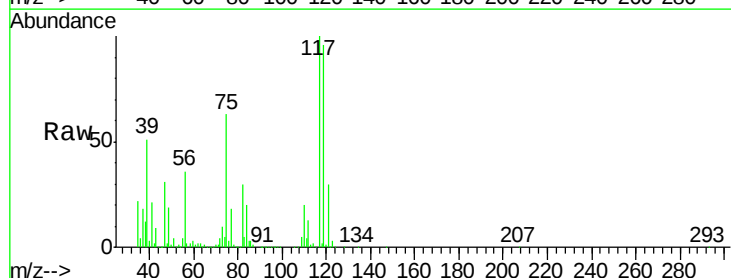
Manual Integrations
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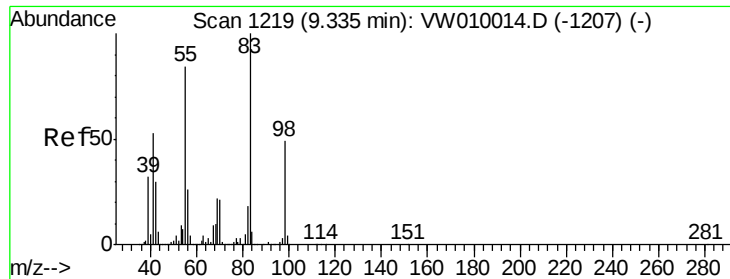
MMDadoda
4/18/2019 11:40:22 AM



#38
Carbon Tetrachloride
Concen: 145.678 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.3	112.9
121	30.4	24.4	36.6





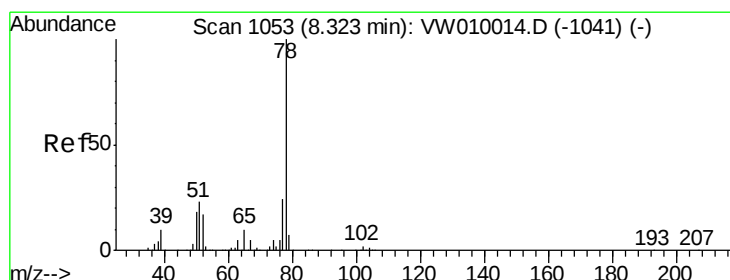
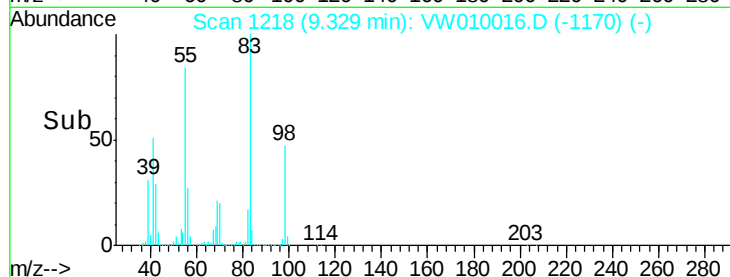
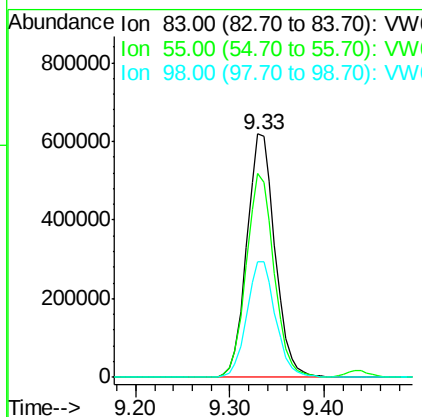
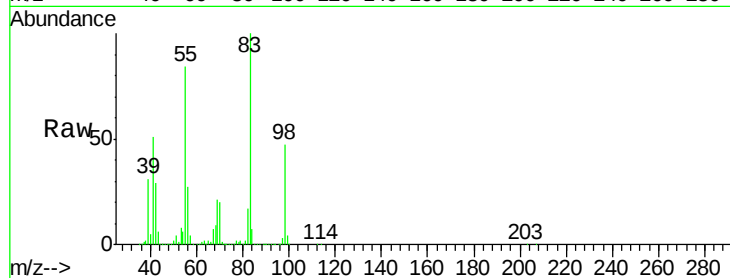
#39
Methvlcvclohexane
Concen: 162.387 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.9	67.1	100.7
98	47.3	39.2	58.8

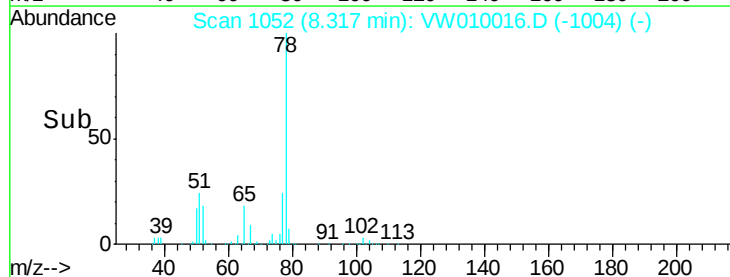
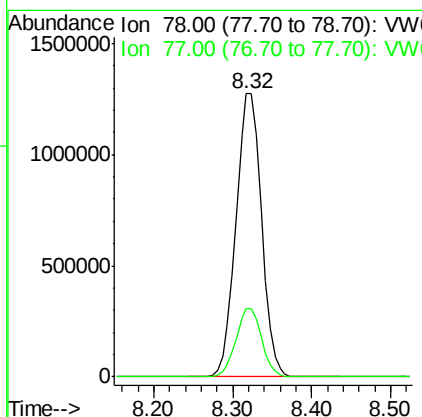
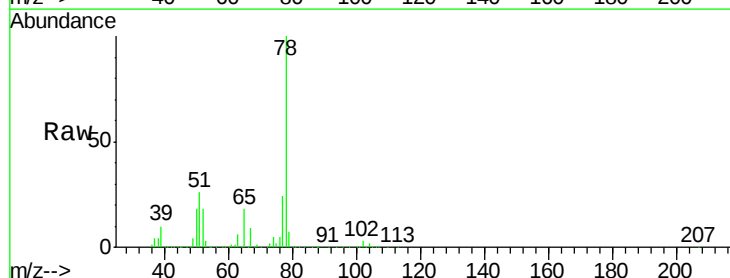
Manual Integrations
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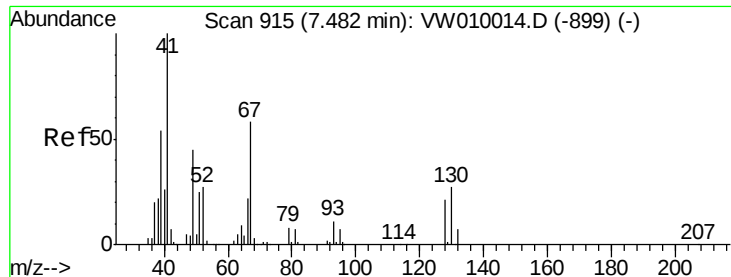
MMDadoda
4/18/2019 11:40:22 AM



#40
Benzene
Concen: 147.437 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7





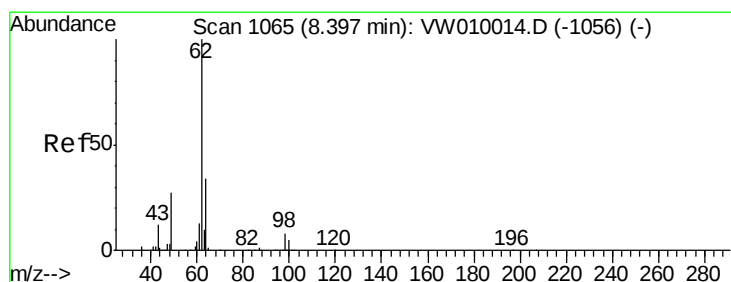
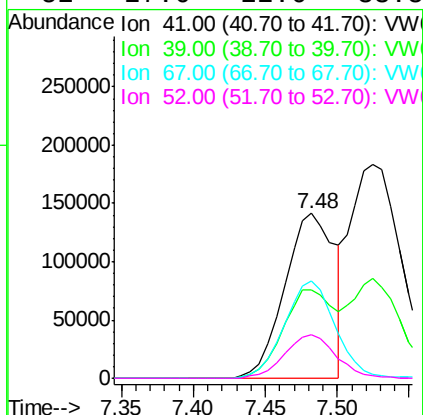
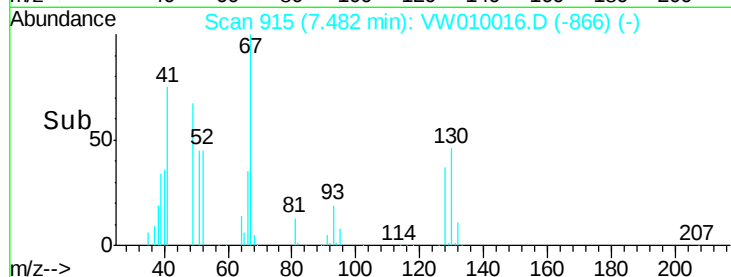
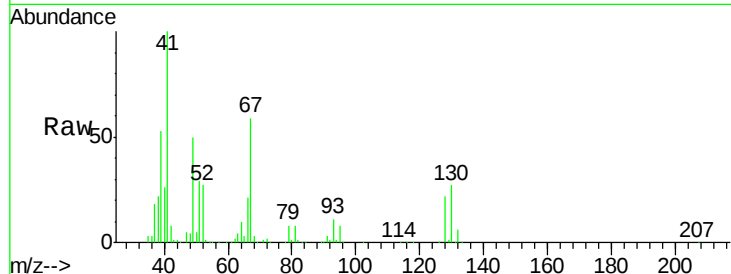
#41
Methacrylonitrile
Concen: 165.279 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		341295		
39	54.6	45.0	67.4		
67	60.2	50.7	76.1		
52	27.6	22.6	33.8		

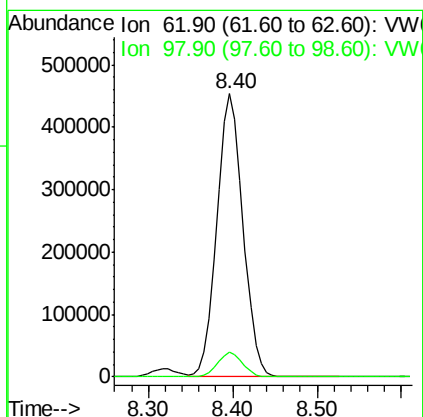
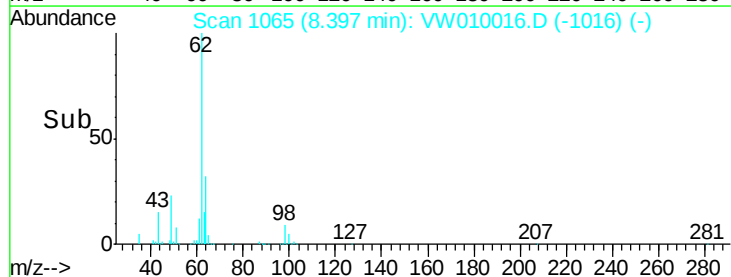
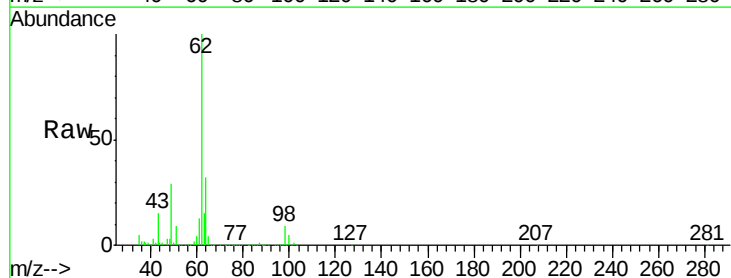
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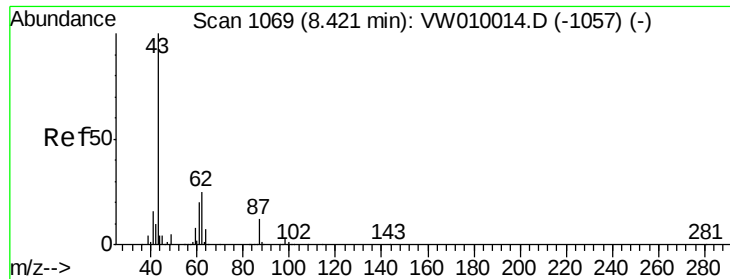
MMDadoda
4/18/2019 11:40:22 AM



#42
1,2-Dichloroethane
Concen: 143.307 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		960155		
98	8.5	0.0	16.6		





#43

Isopropyl Acetate

Concen: 156.405 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1061903

Ion Ratio Lower Upper

43 100

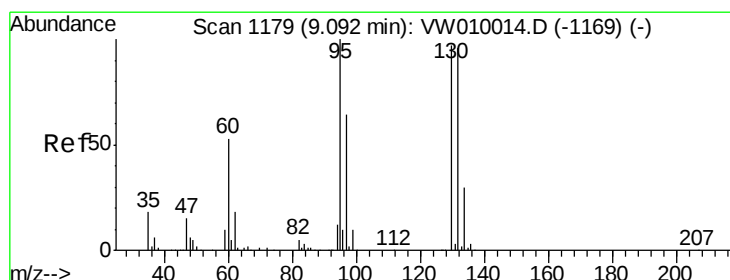
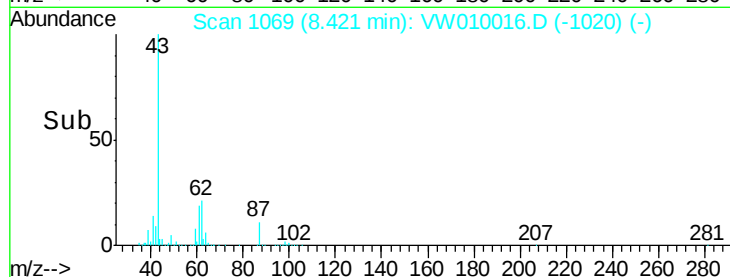
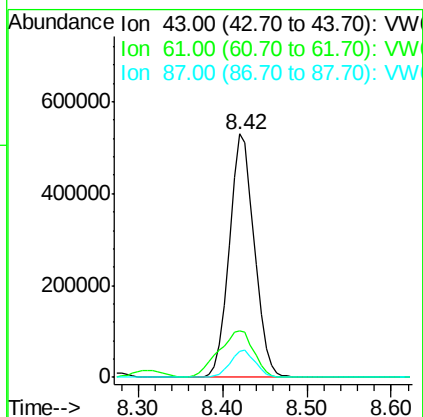
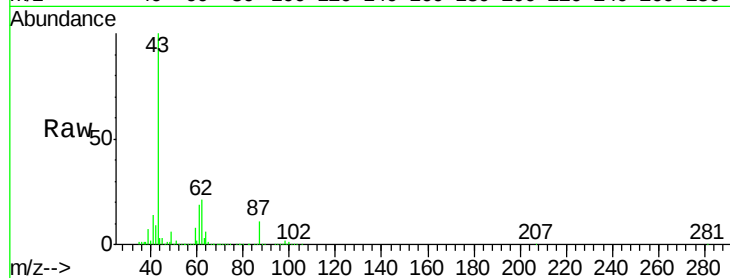
61 27.3 23.0 34.6

87 11.2 9.3 13.9

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#44

Trichloroethene

Concen: 149.145 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010016.D

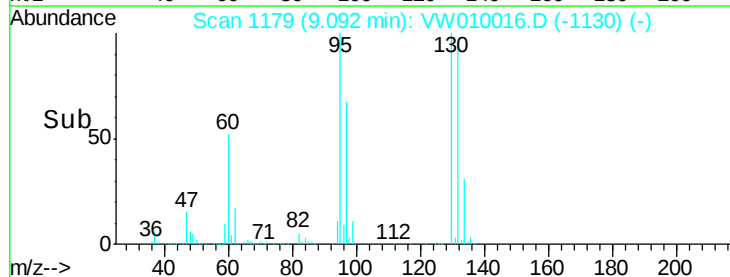
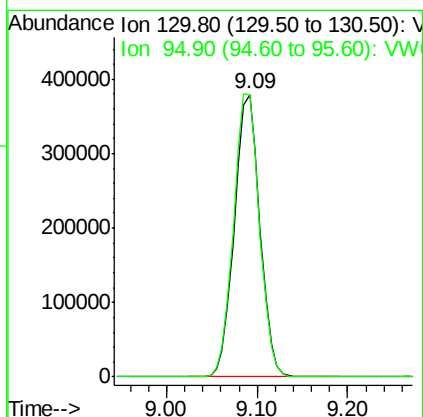
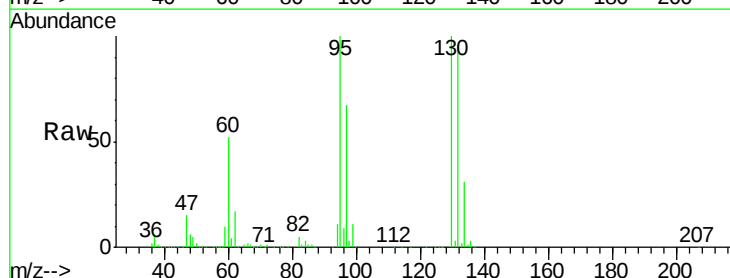
Acq: 17 Apr 2019 13:11

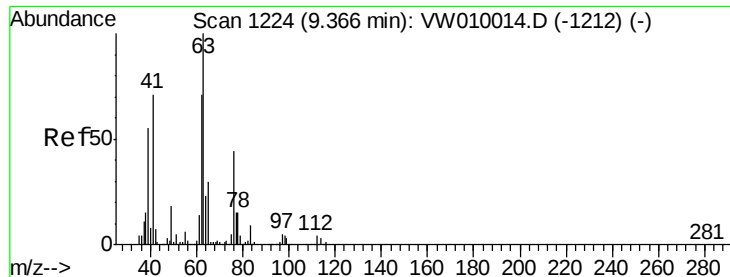
Tgt Ion: 130 Resp: 738524

Ion Ratio Lower Upper

130 100

95 99.8 0.0 205.4





#45

1,2-Dichloropropane

Concen: 145.609 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 746172

Ion Ratio Lower Upper

63 100

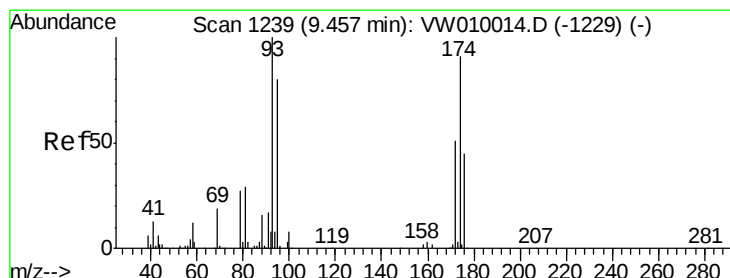
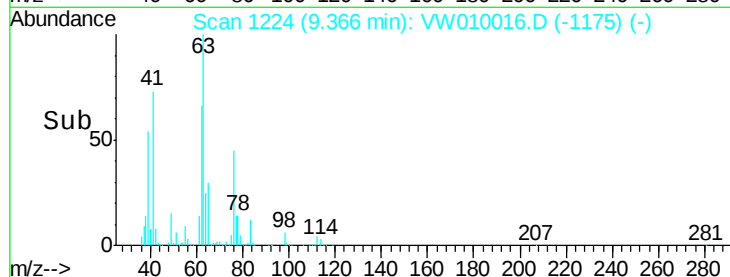
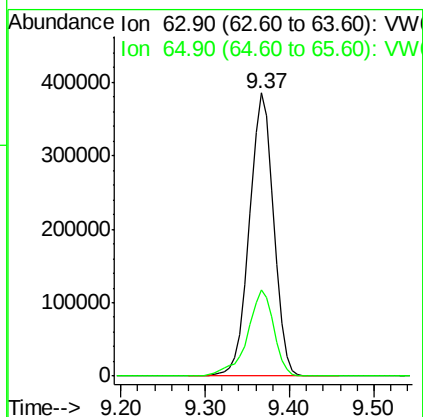
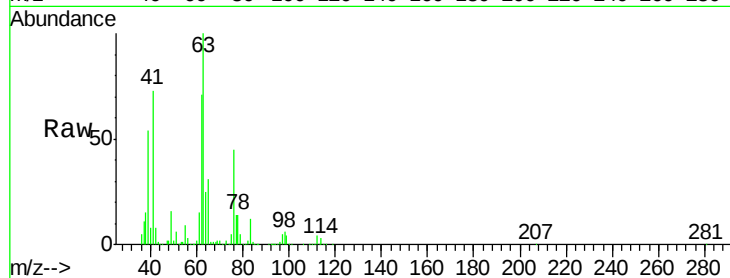
65 30.5 23.8 35.6

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#46

Dibromomethane

Concen: 146.620 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

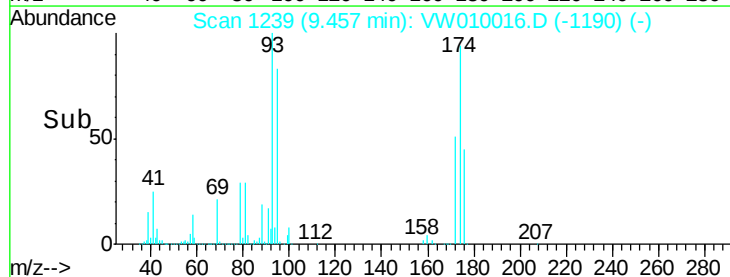
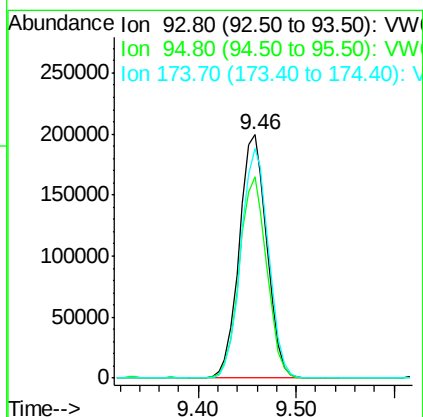
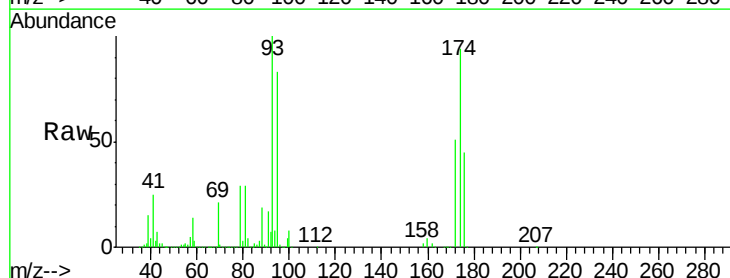
Tgt Ion: 93 Resp: 389423

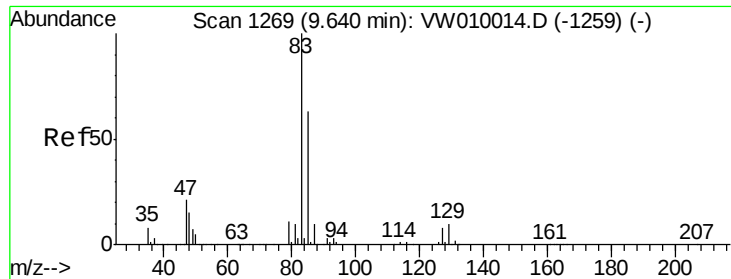
Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.8

174 94.4 75.5 113.3





#47

Bromodichloromethane

Concen: 149.942 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1028040

Ion Ratio Lower Upper

83 100

85 63.4 50.6 75.8

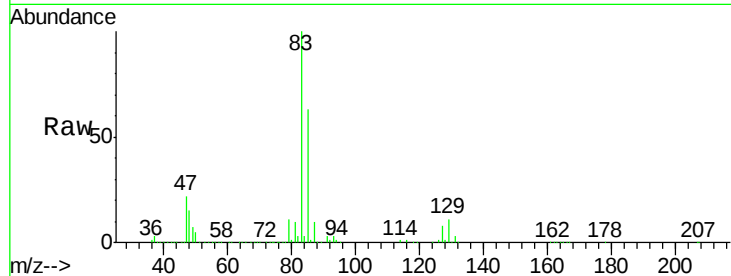
127 8.2 6.6 10.0

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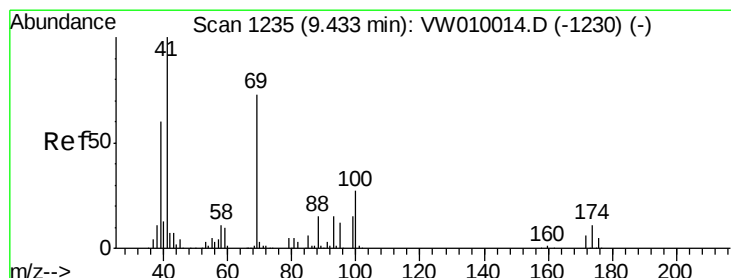
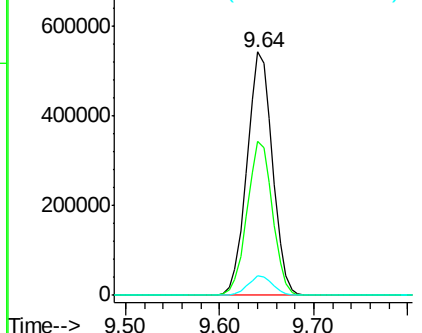
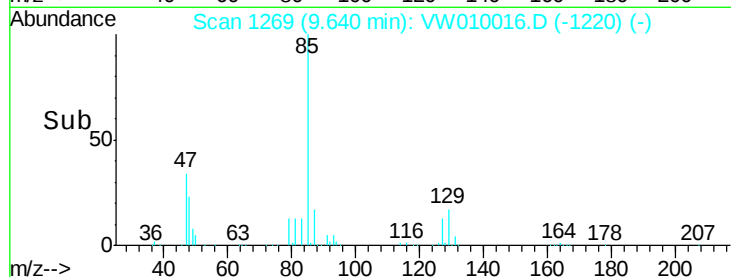
4/18/2019 11:40:22 AM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 157.355 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

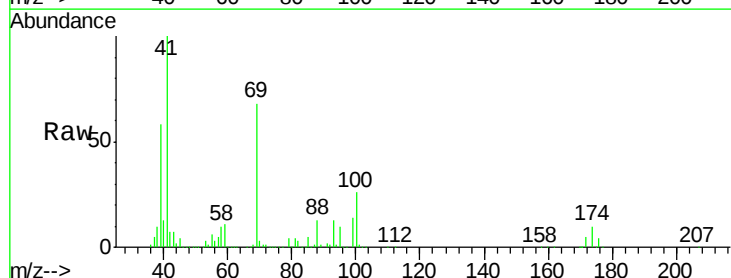
Tgt Ion: 41 Resp: 520051

Ion Ratio Lower Upper

41 100

69 74.8 60.1 90.1

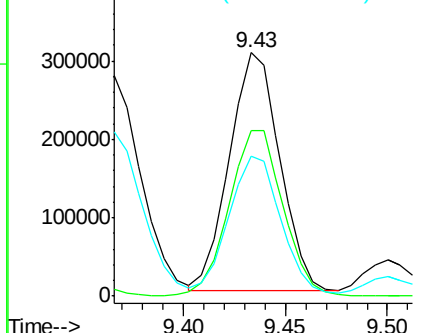
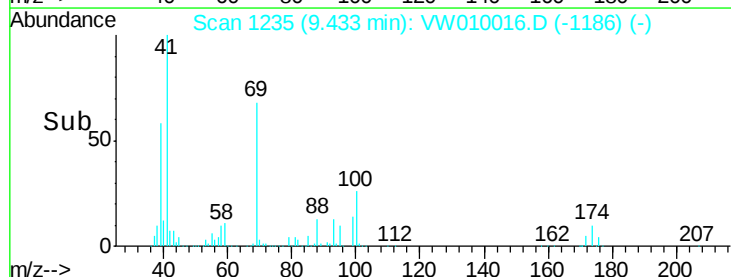
39 58.6 51.0 76.6

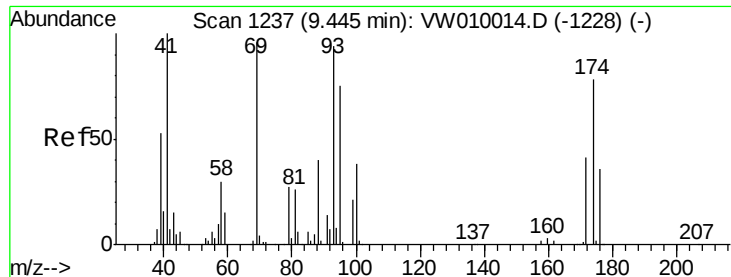


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





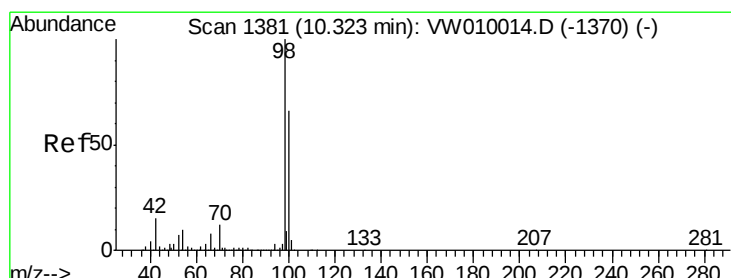
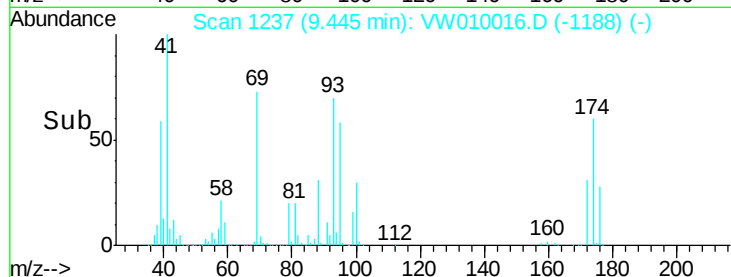
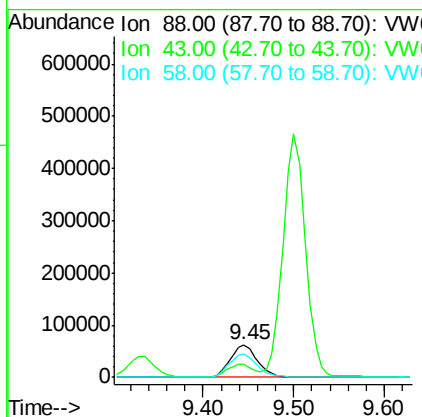
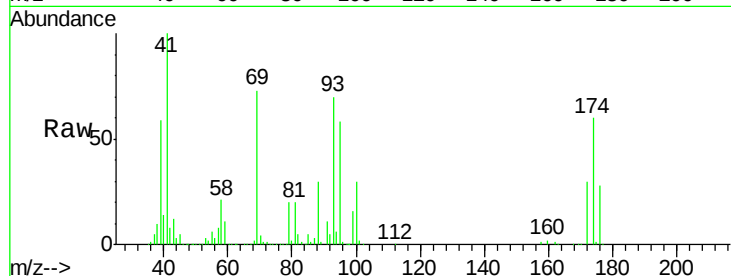
#49
1,4-Dioxane
Concen: 3149.219 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	127806		
43	39.5		31.9	47.9
58	75.7		61.8	92.6

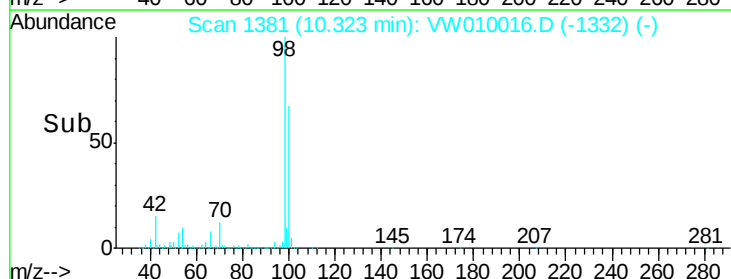
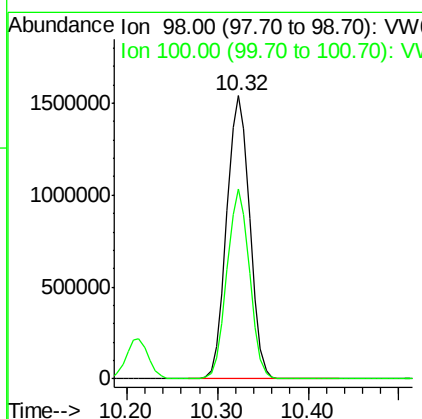
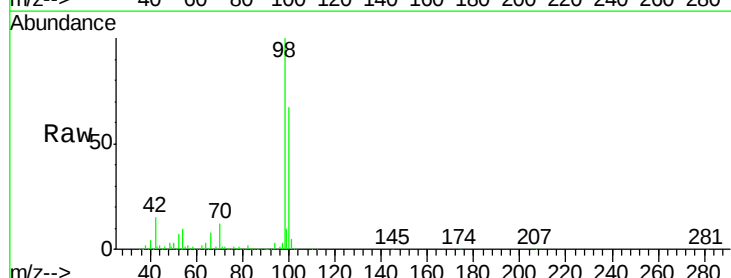
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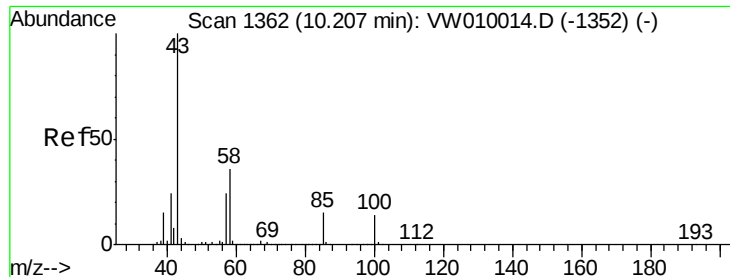
MMDadoda
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#50
Toluene-d8
Concen: 163.054 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2711463		
100	65.6		52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 771.539 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2743598

Ion Ratio Lower Upper

43 100

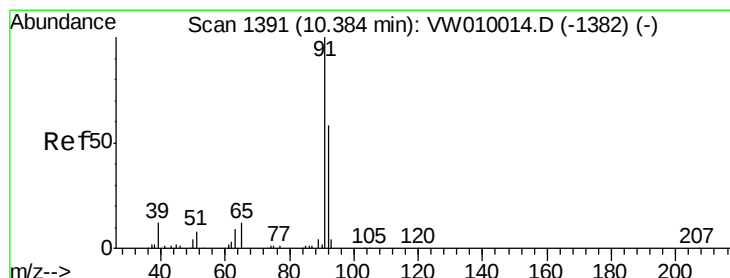
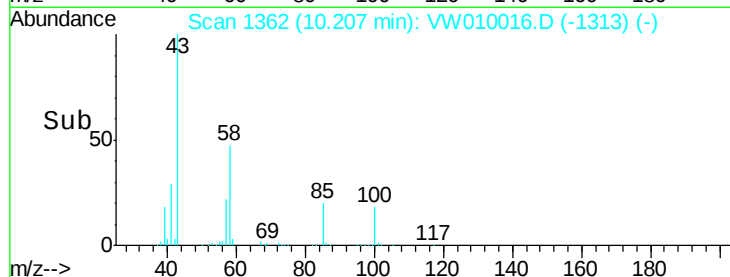
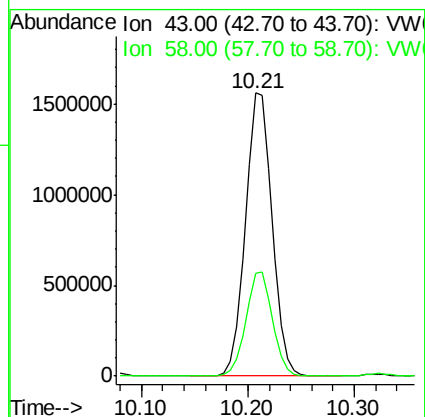
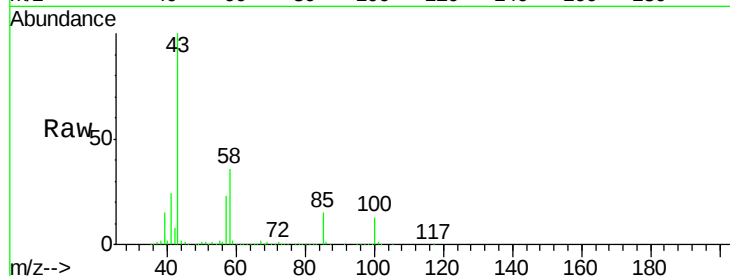
58 36.4 28.9 43.3

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#52

Toluene

Concen: 148.521 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010016.D

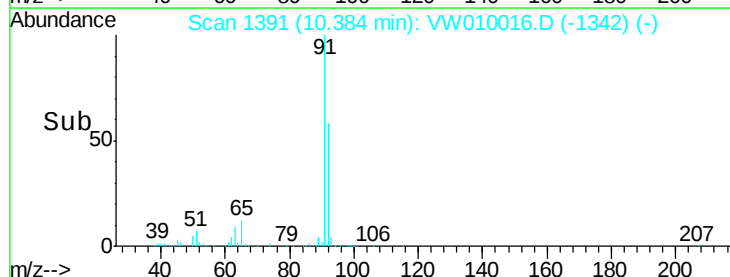
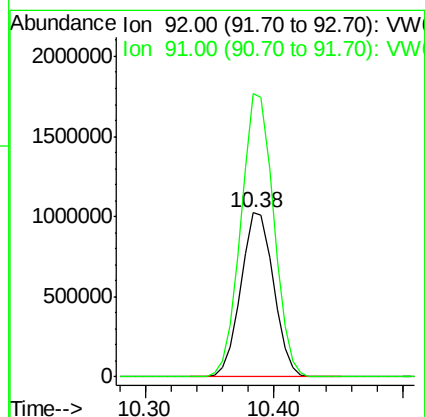
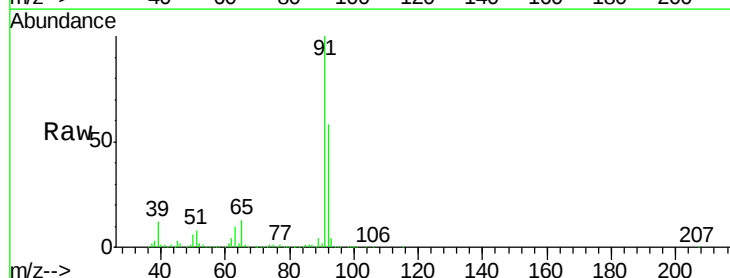
Acq: 17 Apr 2019 13:11

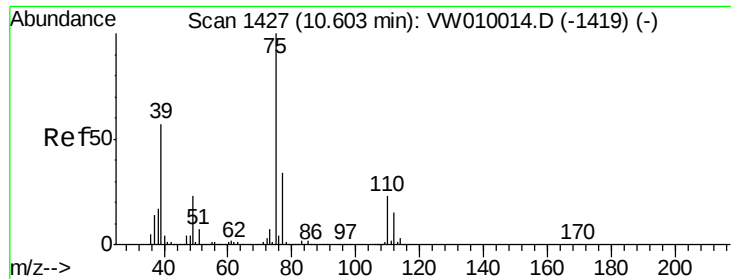
Tgt Ion: 92 Resp: 1803697

Ion Ratio Lower Upper

92 100

91 172.5 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 157.969 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1073815

Ion Ratio Lower Upper

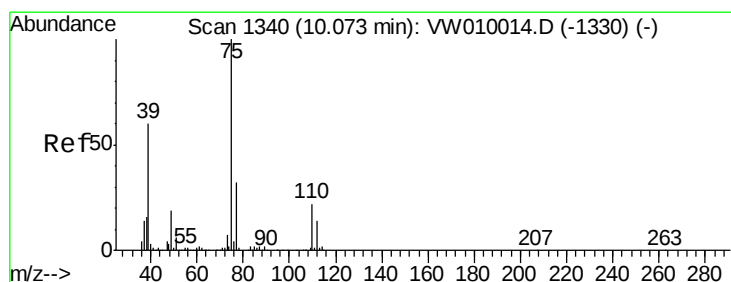
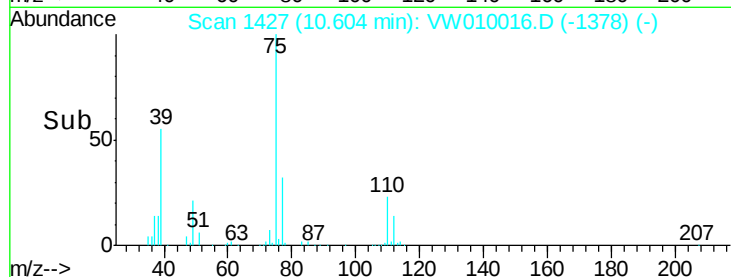
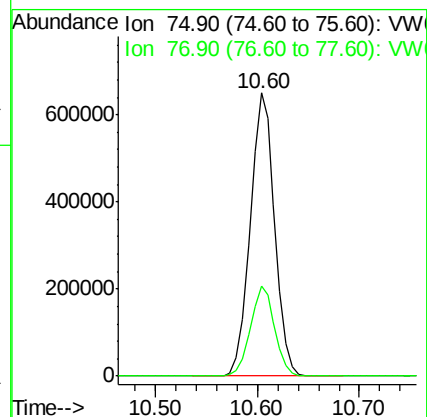
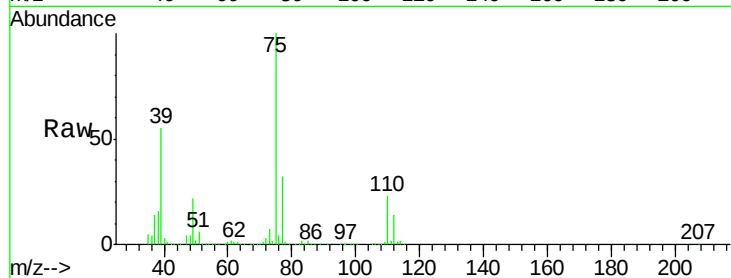
75 100

77 31.9 26.9 40.3

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#54

cis-1,3-Dichloropropene

Concen: 156.822 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

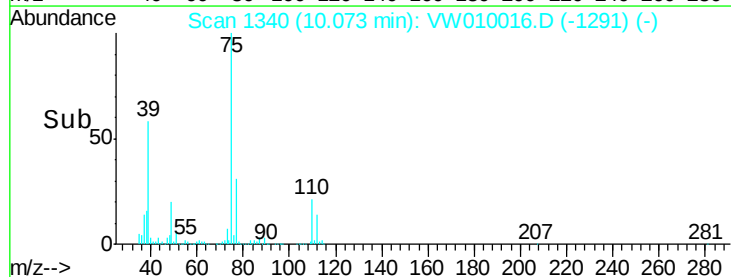
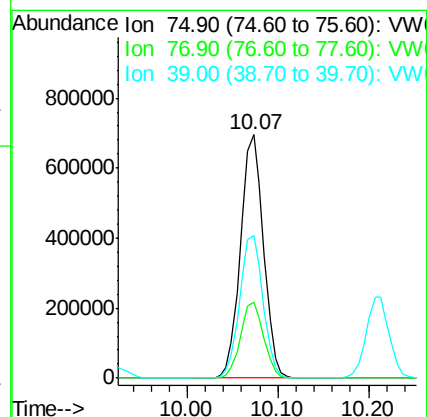
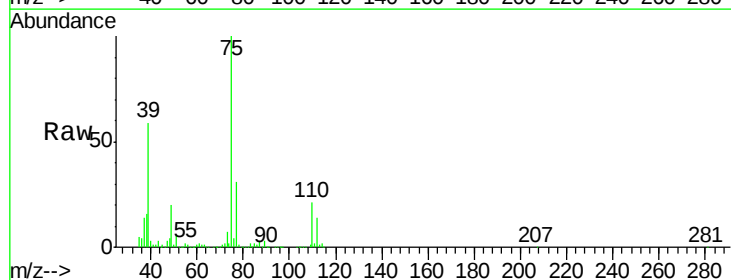
Tgt Ion: 75 Resp: 1217255

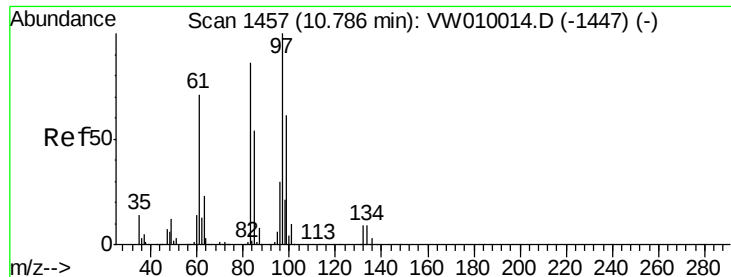
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 58.5 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 144.951 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

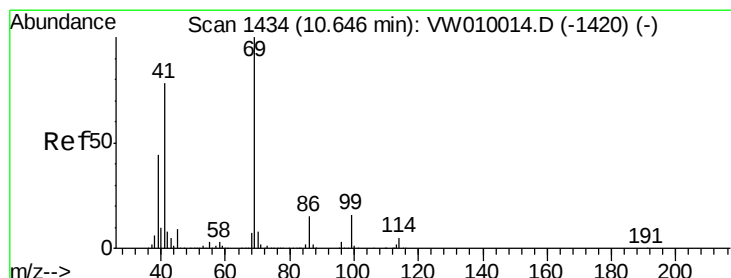
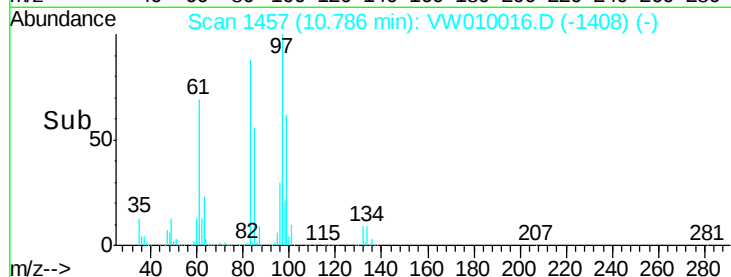
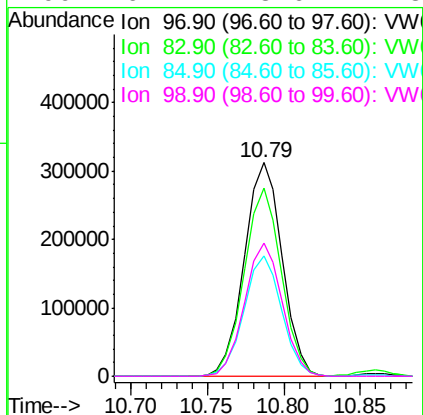
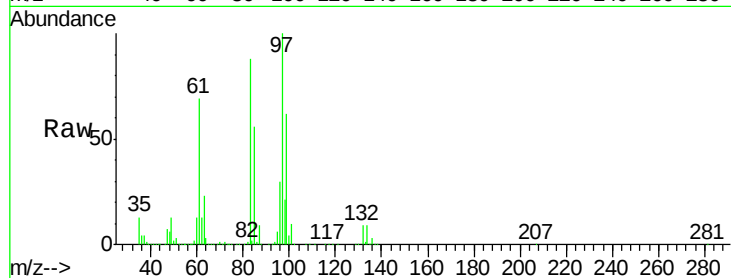
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	537347
Ion	Ratio	Lower	Upper
97	100		
83	88.0	68.9	103.3
85	56.3	42.9	64.3
99	62.1	48.6	72.8

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#56

Ethyl methacrylate

Concen: 172.316 ug/l

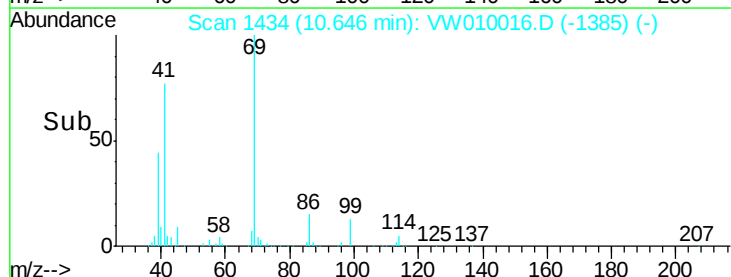
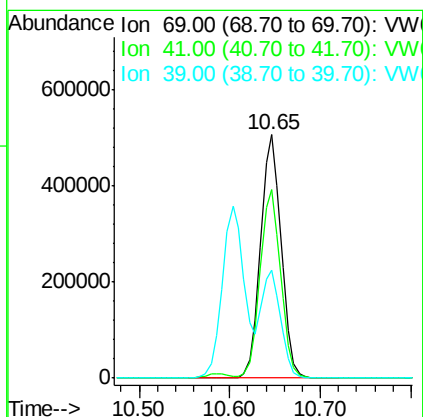
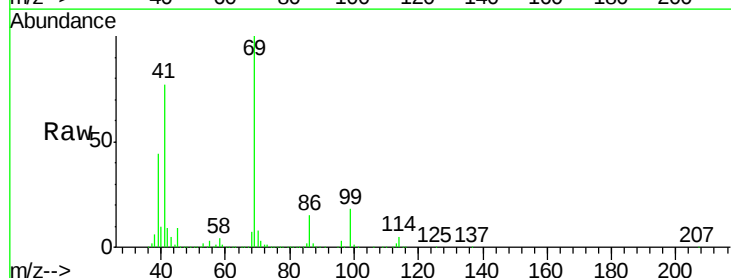
RT: 10.65 min Scan# 1434

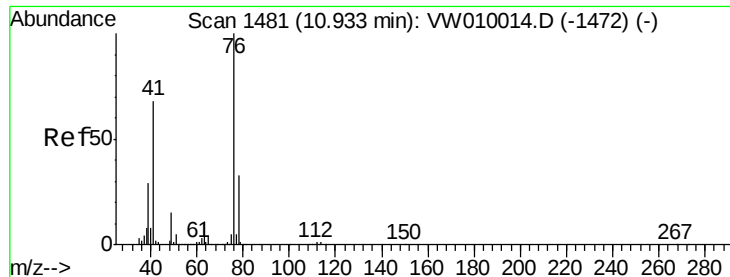
Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tgt Ion:	69	Resp:	794128
Ion	Ratio	Lower	Upper
69	100		
41	77.2	61.0	91.6
39	41.1	33.8	50.6





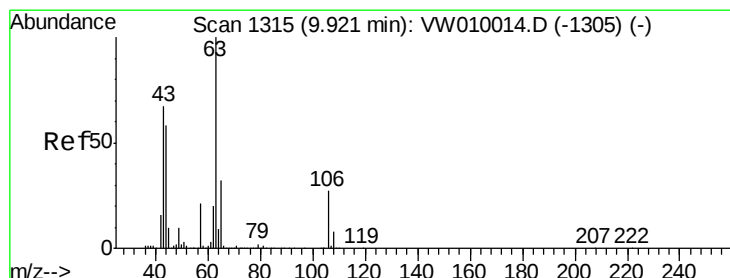
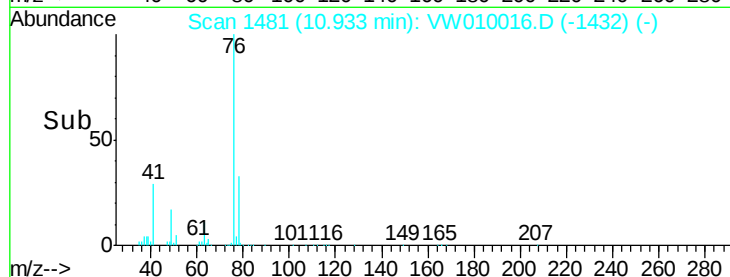
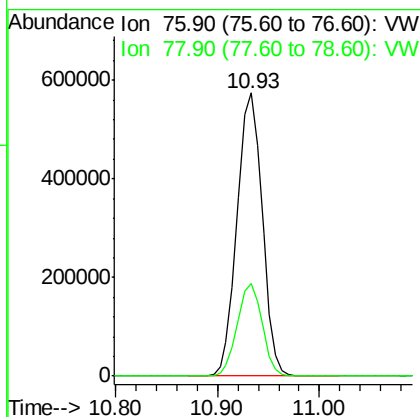
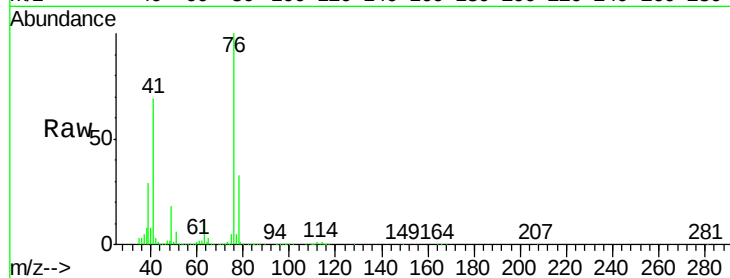
#57
 1,3-Dichloropropane
 Concen: 147.723 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

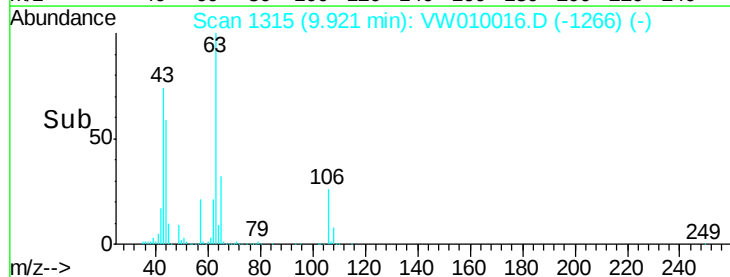
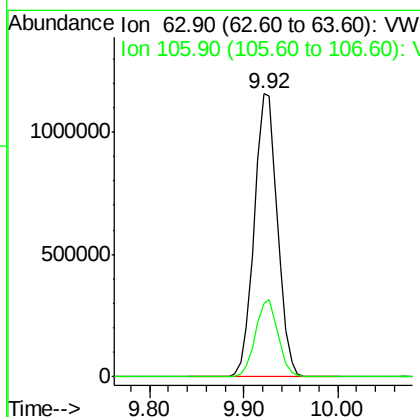
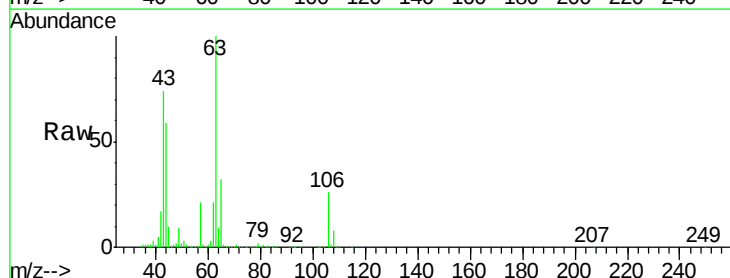
Manual Integrations
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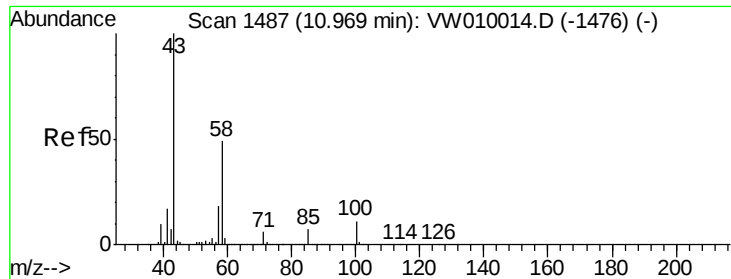
MMDadoda
 4/18/2019 11:40:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 907.091 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.4	32.0





#59

2-Hexanone

Concen: 786.066 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1945800

Ion Ratio Lower Upper

43 100

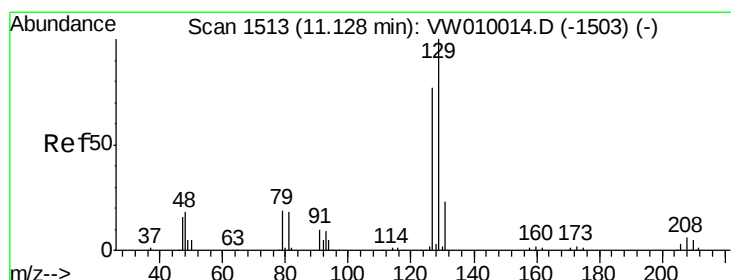
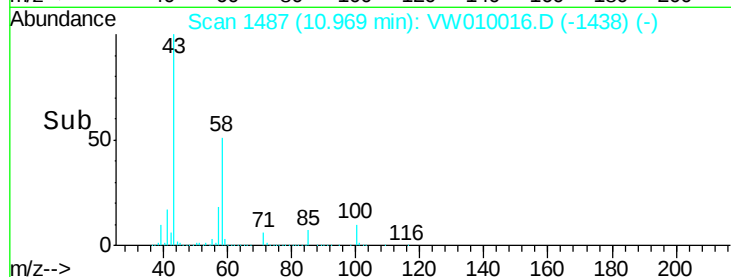
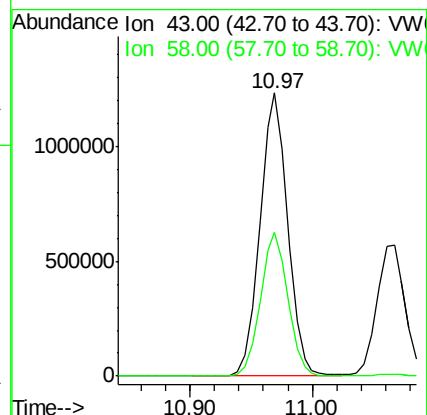
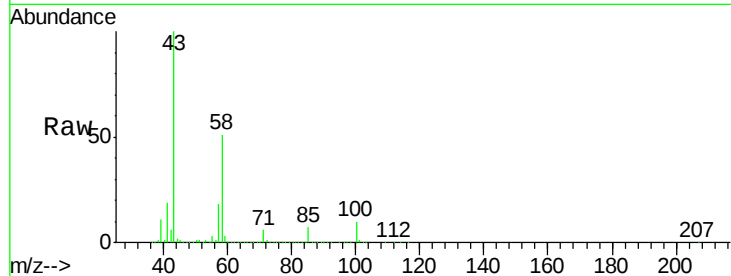
58 50.3 24.9 74.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 154.802 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010016.D

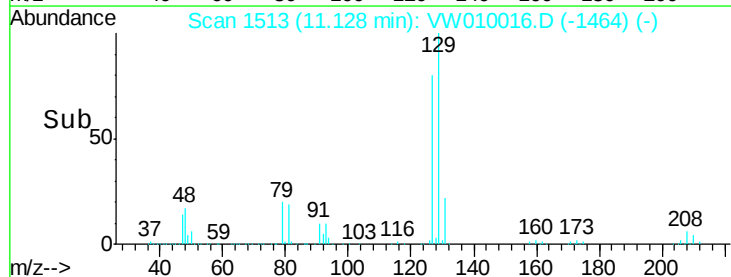
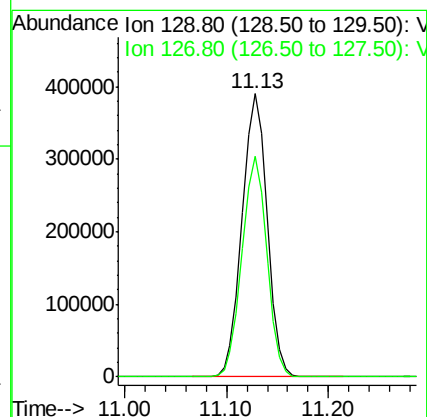
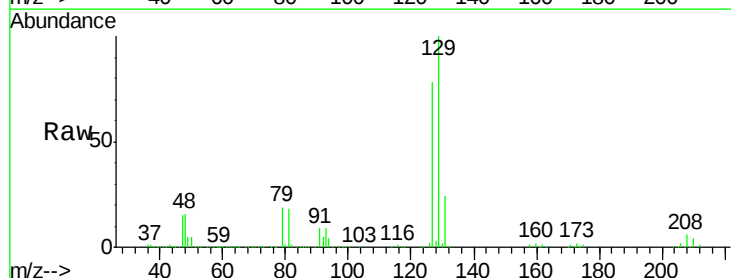
Acq: 17 Apr 2019 13:11

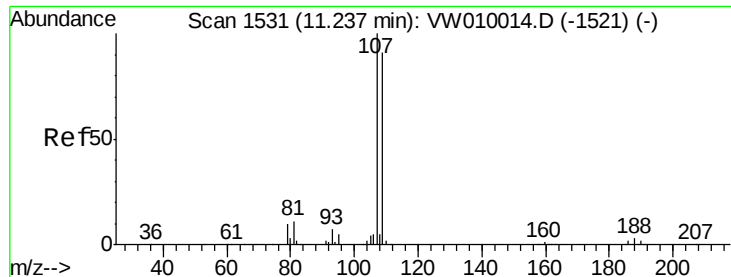
Tgt Ion: 129 Resp: 663272

Ion Ratio Lower Upper

129 100

127 77.3 38.6 116.0





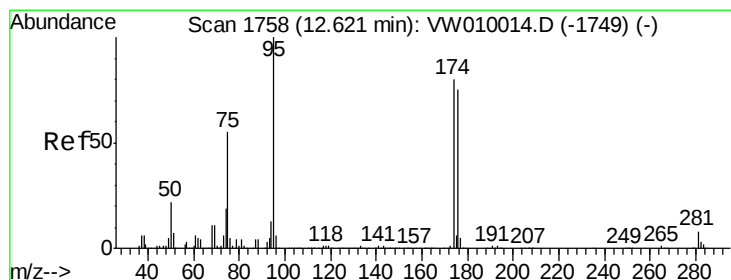
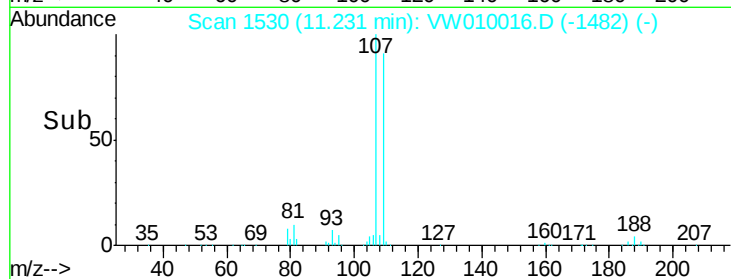
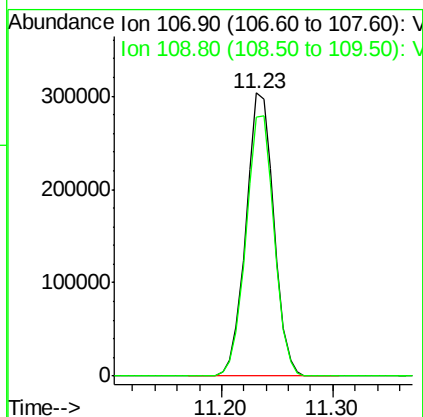
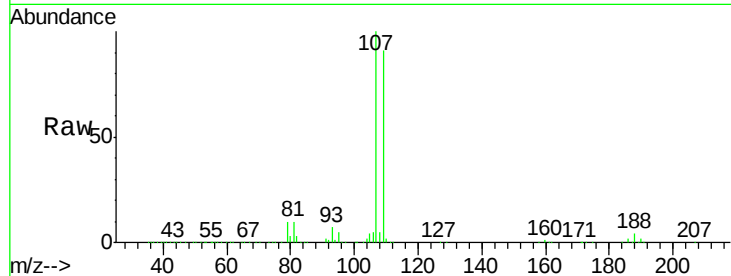
#61
 1,2-Dibromoethane
 Concen: 149.425 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.6	110.4

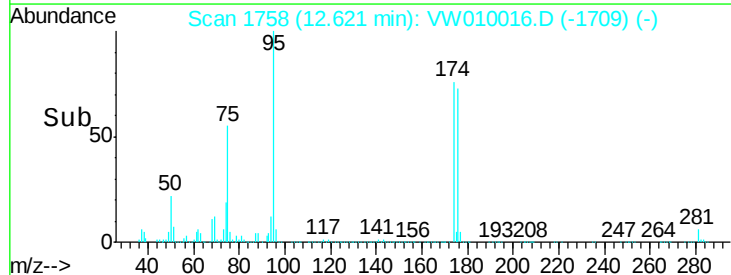
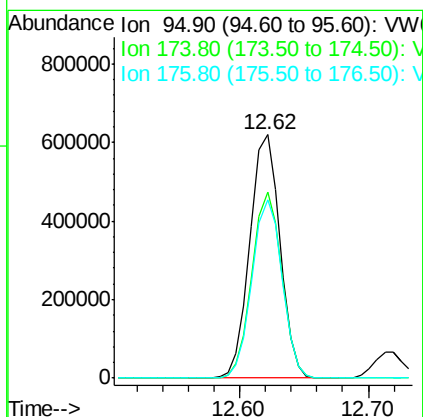
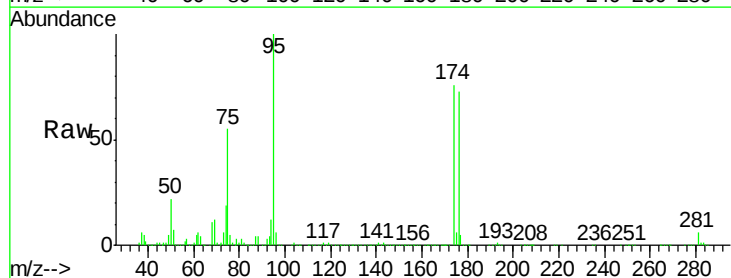
Manual Integrations
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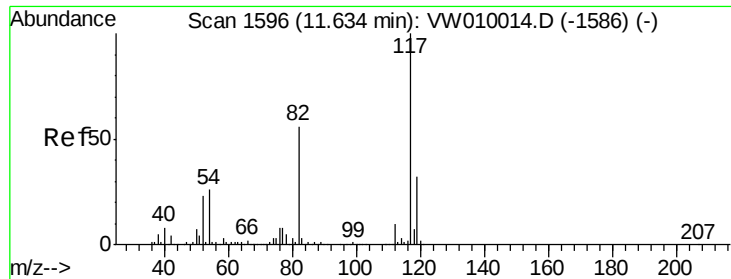
MMDadoda
 4/18/2019 11:40:22 AM



#62
 4-Bromofluorobenzene
 Concen: 165.128 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	151.4
176	73.3	0.0	146.2





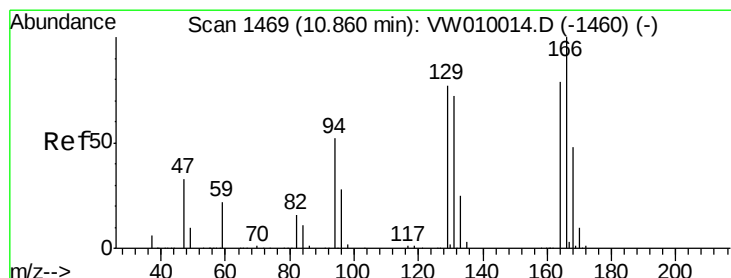
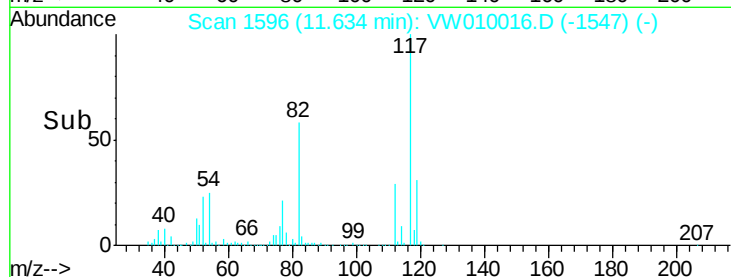
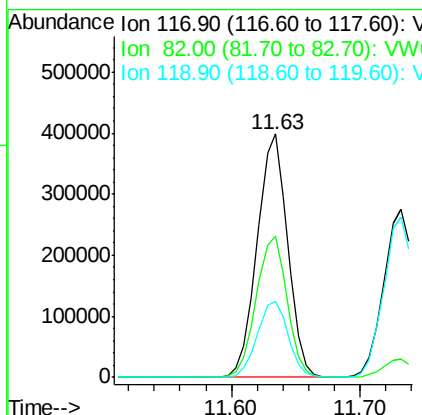
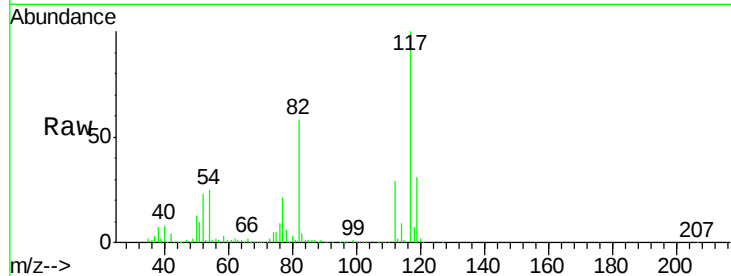
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	649375		
82	57.8		45.2	67.8
119	31.1		25.4	38.2

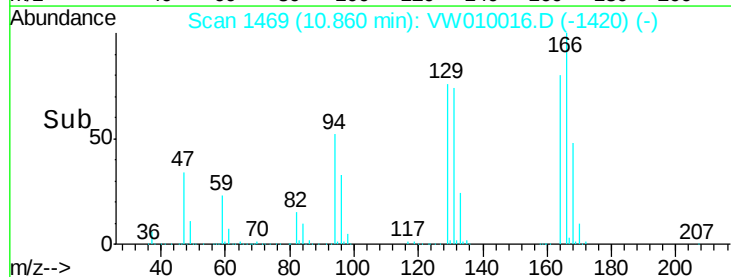
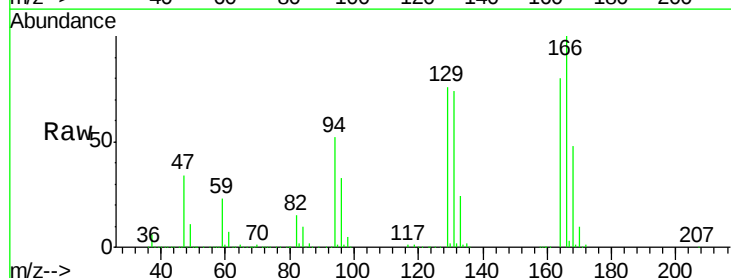
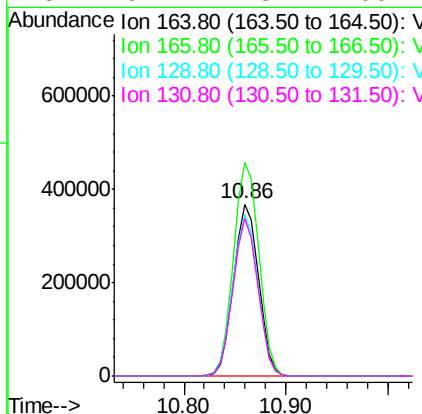
Manual Integrations
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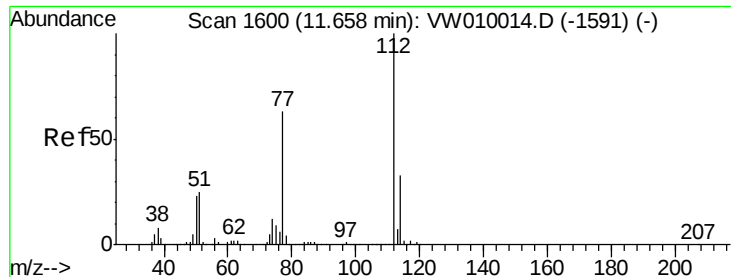
MMDadoda
4/18/2019 11:40:22 AM



#64
Tetrachloroethene
Concen: 147.650 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	622424		
166	124.5		101.2	151.8
129	94.3		77.8	116.6
131	92.1		73.1	109.7





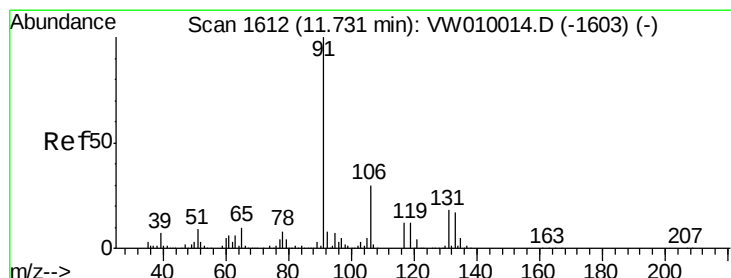
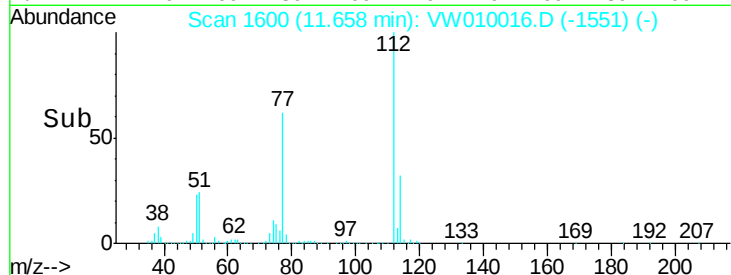
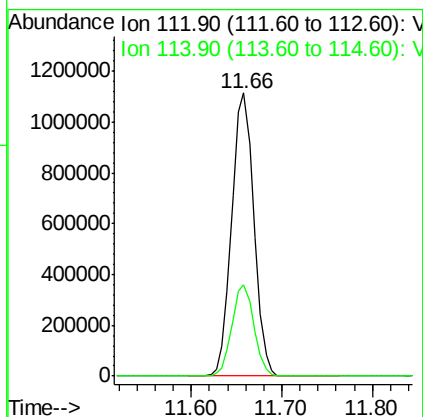
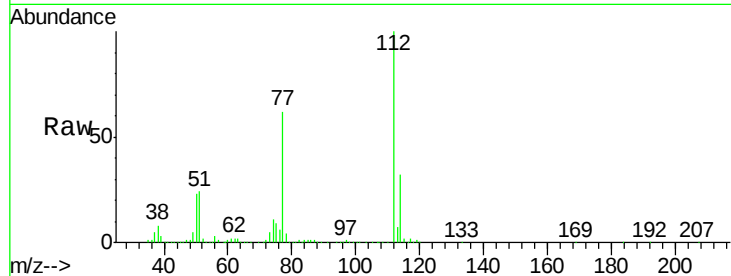
#65
Chlorobenzene
Concen: 142.174 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1889639
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7

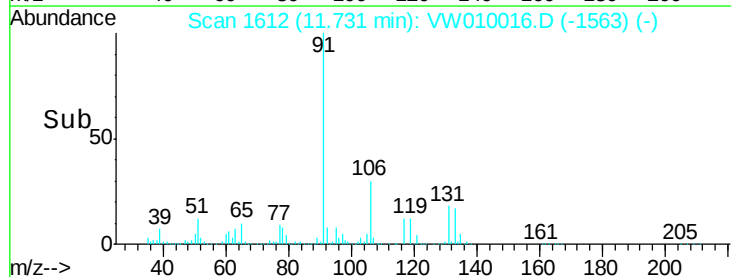
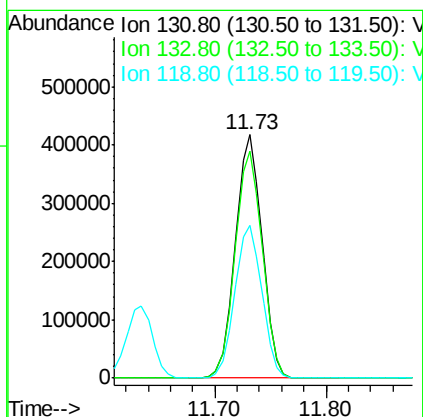
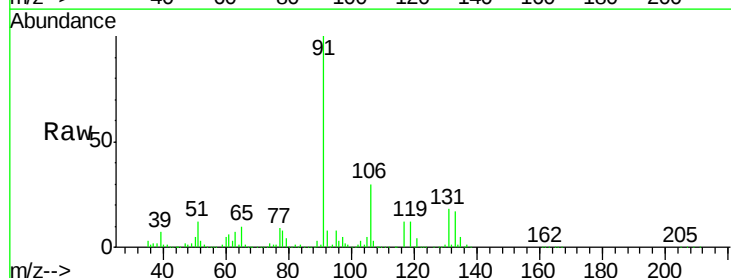
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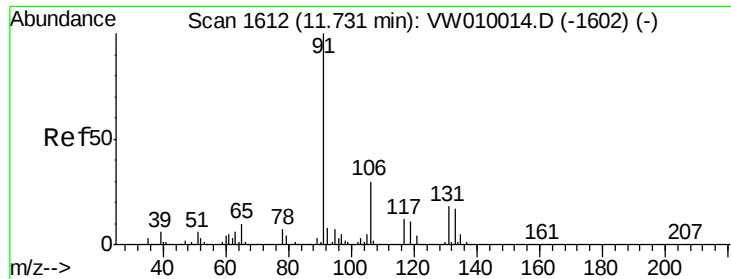
MMDadoda
4/18/2019 11:40:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 145.856 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion:131 Resp: 693247
Ion Ratio Lower Upper
131 100
133 94.8 46.5 139.5
119 63.7 31.9 95.5





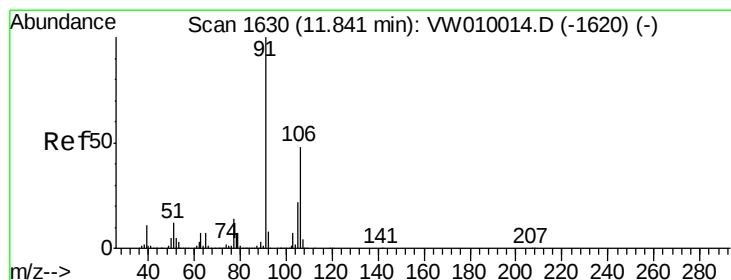
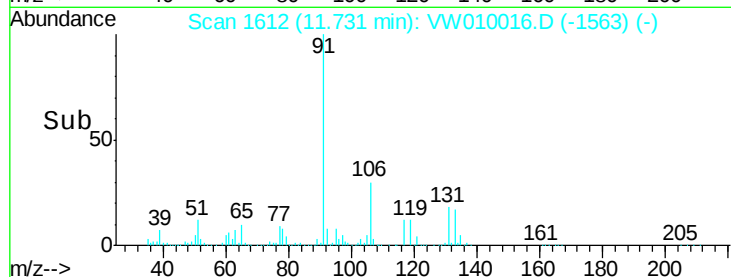
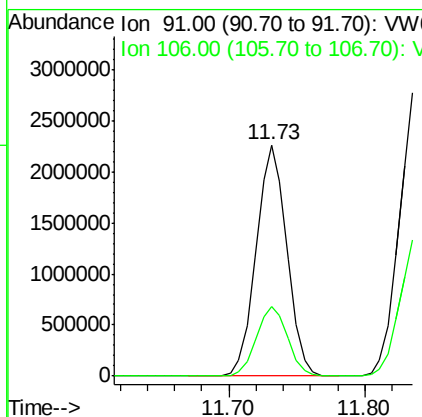
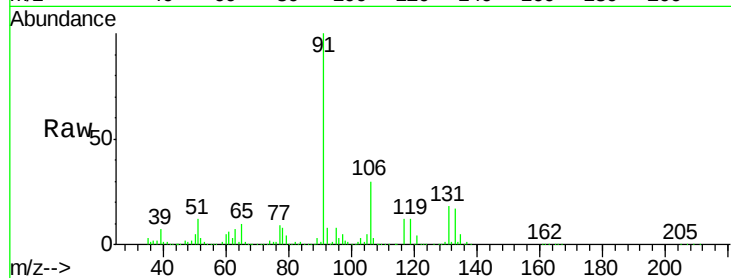
#67
Ethyl Benzene
Concen: 150.772 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3575307
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8

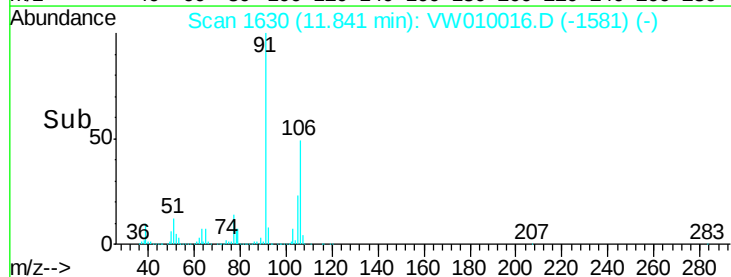
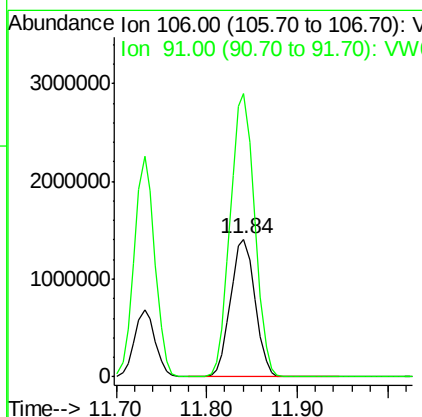
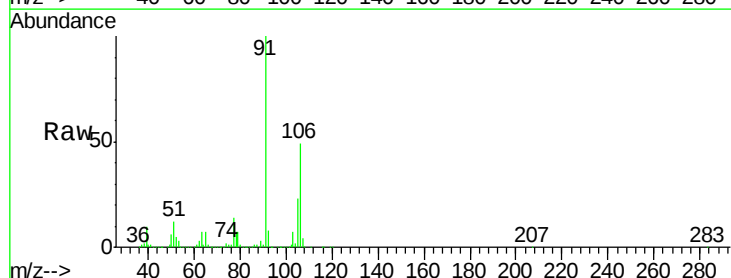
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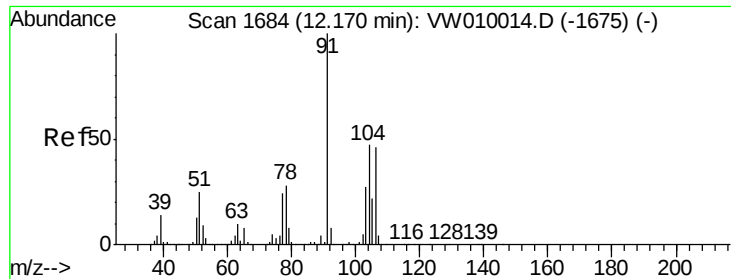
MMDadoda
4/18/2019 11:40:22 AM



#68
m/p-Xylenes
Concen: 296.838 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion: 106 Resp: 2631217
Ion Ratio Lower Upper
106 100
91 206.0 165.0 247.6





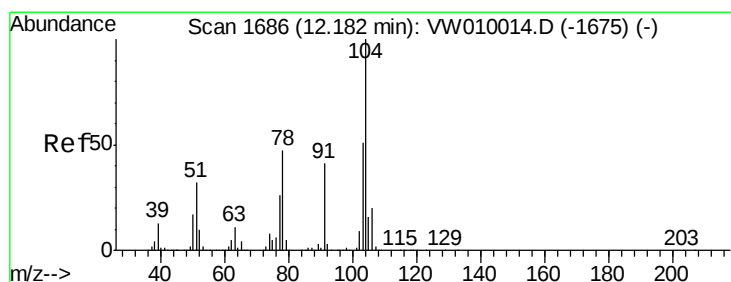
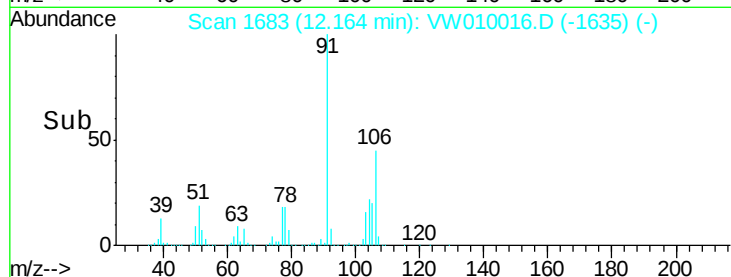
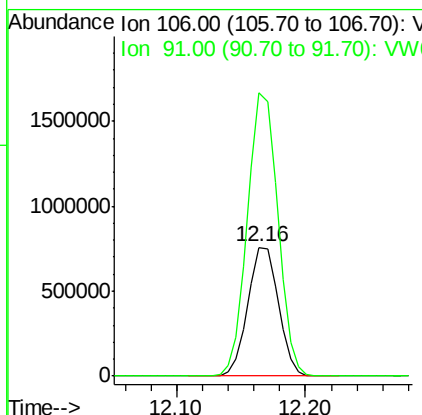
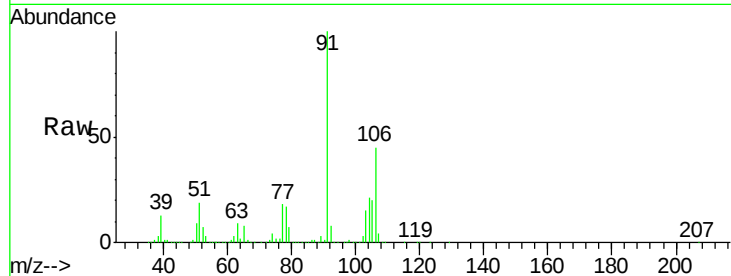
#69
o-Xylene
Concen: 154.512 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1247089
Ion Ratio Lower Upper
106 100
91 218.1 110.5 331.4

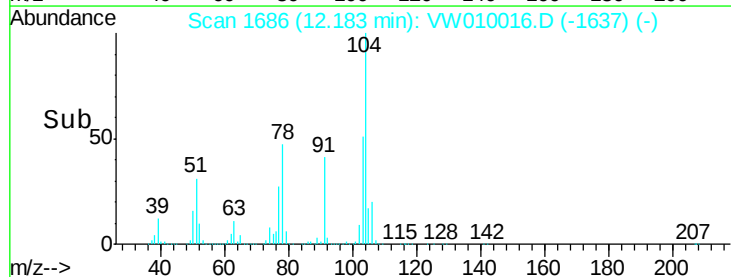
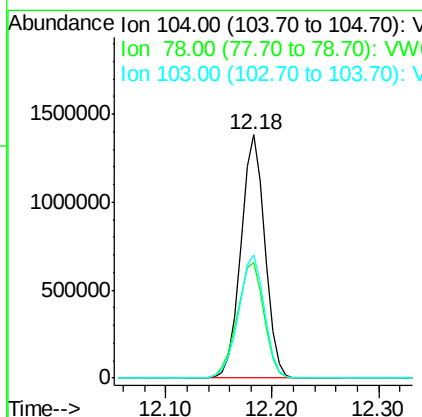
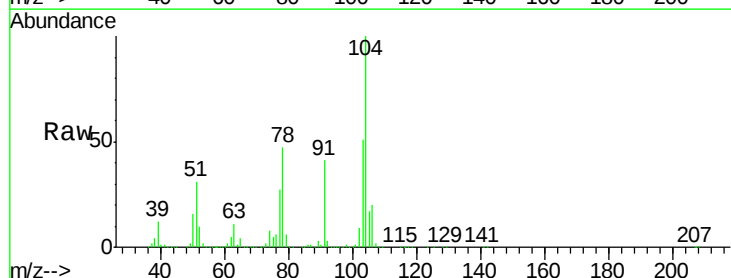
Manual Integrations
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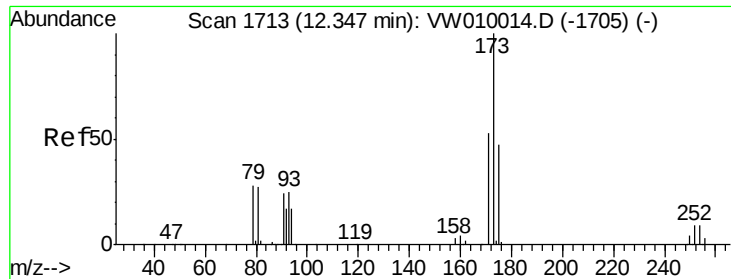
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#70
Styrene
Concen: 157.456 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion:104 Resp: 2191187
Ion Ratio Lower Upper
104 100
78 52.9 42.5 63.7
103 54.6 43.6 65.4





#71

Bromoform

Concen: 152.327 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 382842

Ion Ratio Lower Upper

173 100

175 47.7 23.8 71.4

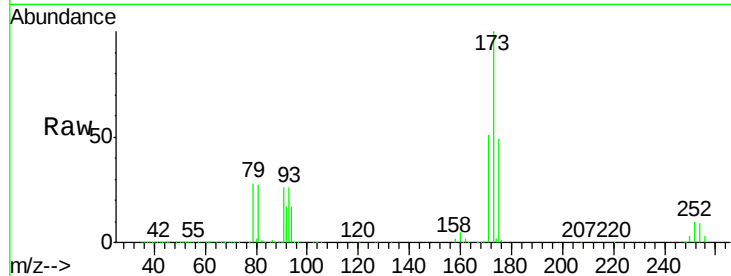
254 0.1 0.1 0.1

Manual Integrations

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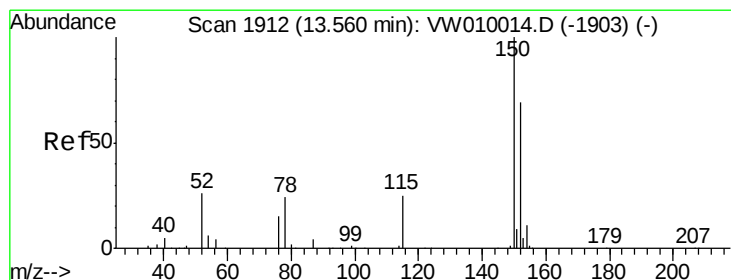
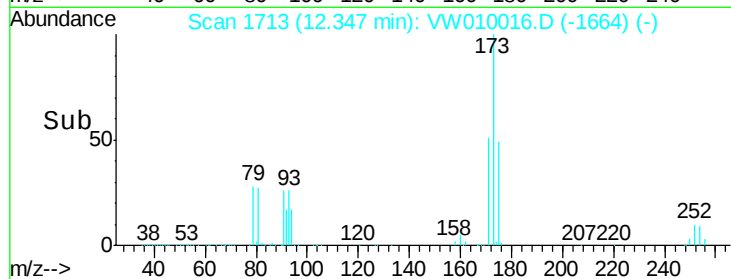
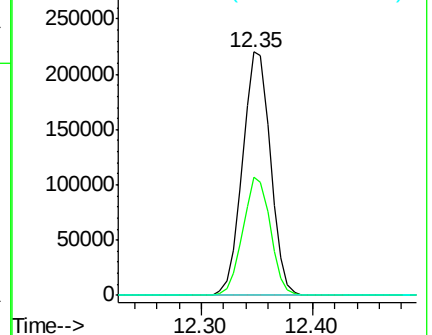
4/18/2019 11:40:22 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

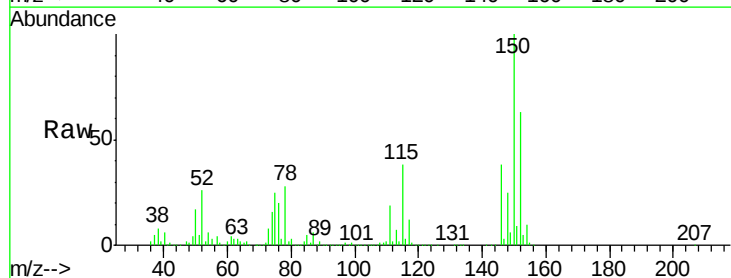
Tgt Ion:152 Resp: 317080

Ion Ratio Lower Upper

152 100

115 59.9 30.4 91.2

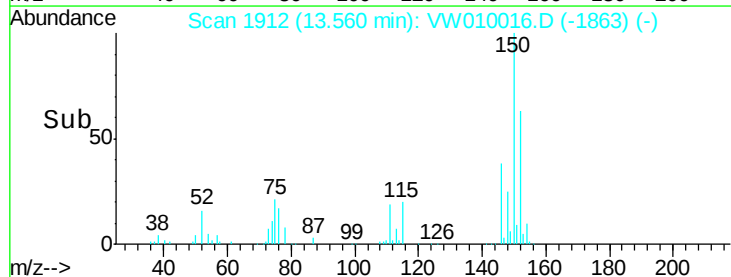
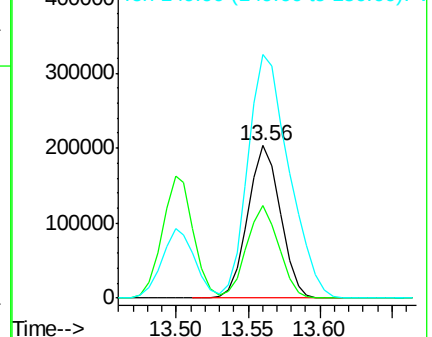
150 201.4 0.0 347.0

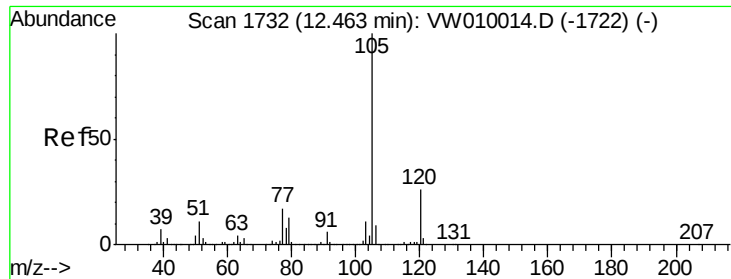


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 156.748 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3459132

Ion Ratio Lower Upper

105 100

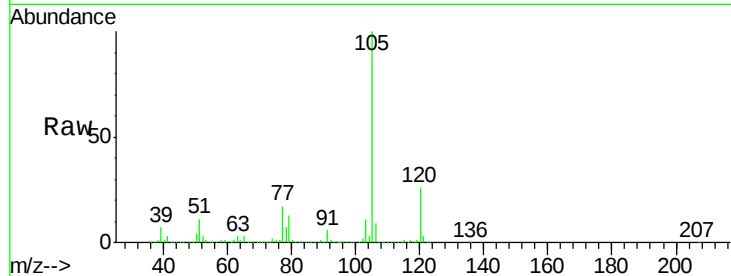
120 26.0 13.1 39.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

1000000

500000

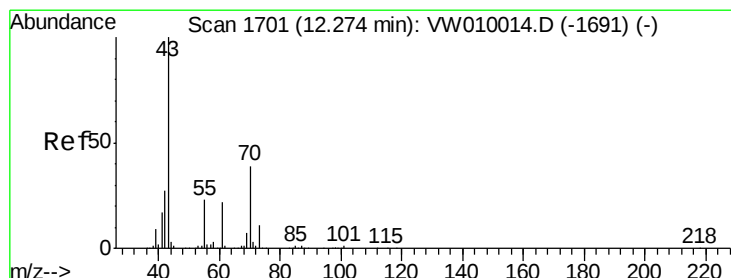
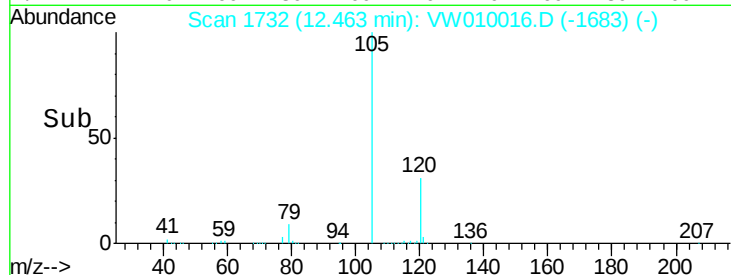
0

Time-->

12.40

12.46

12.50



#74

N-ethyl acetate

Concen: 167.443 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tgt Ion: 43 Resp: 1023295

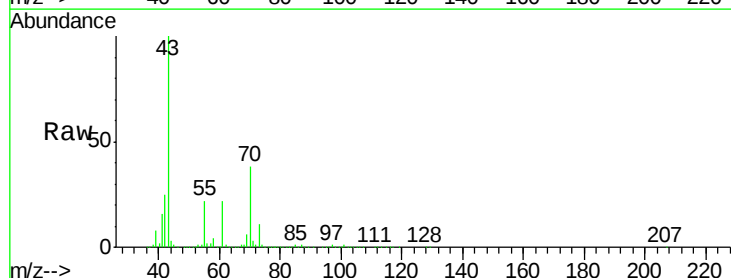
Ion Ratio Lower Upper

43 100

70 38.0 31.3 46.9

55 23.0 20.0 30.0

61 22.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

1000000

800000

600000

400000

200000

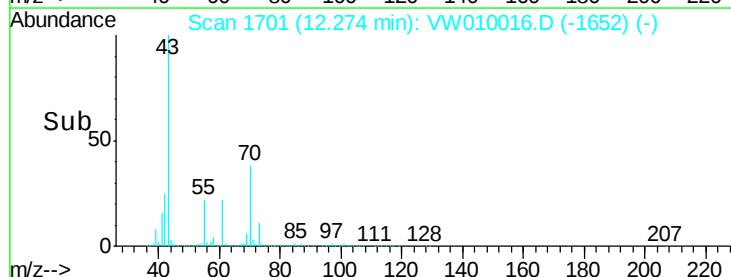
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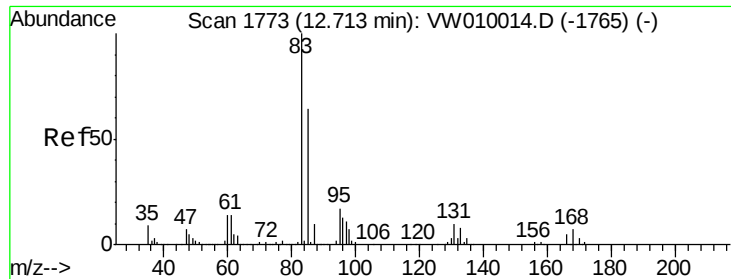
Time-->

12.20

12.27

12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 149.326 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

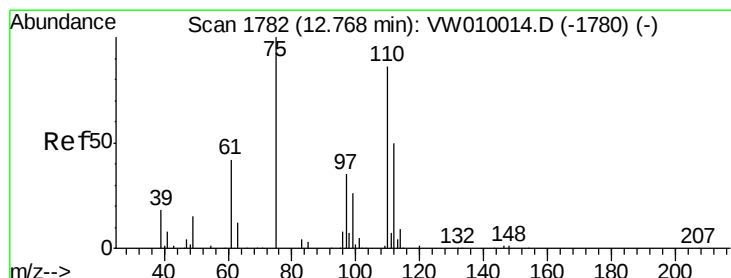
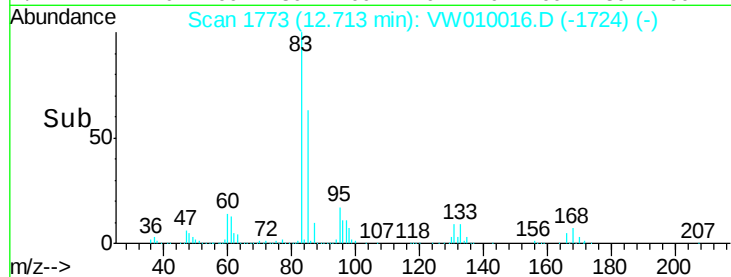
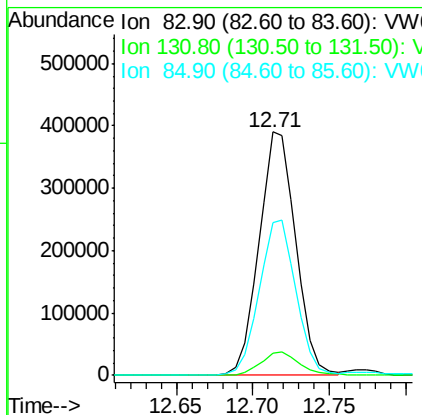
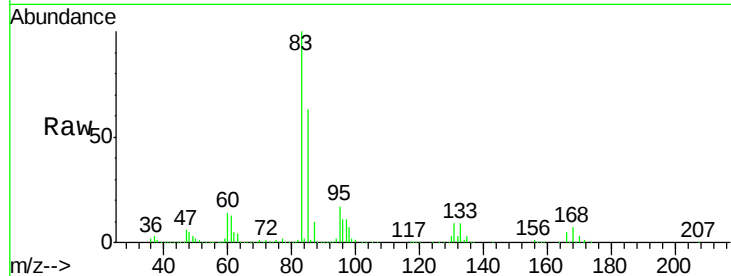
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	651052
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	63.8	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 123.187 ug/l m

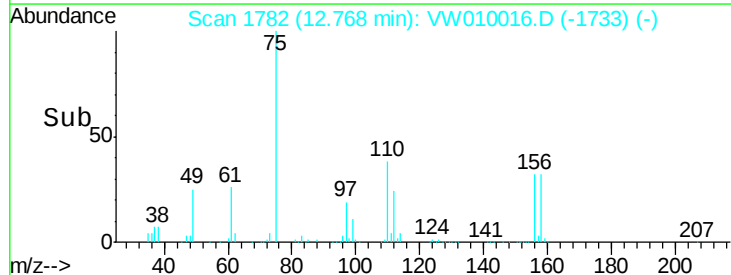
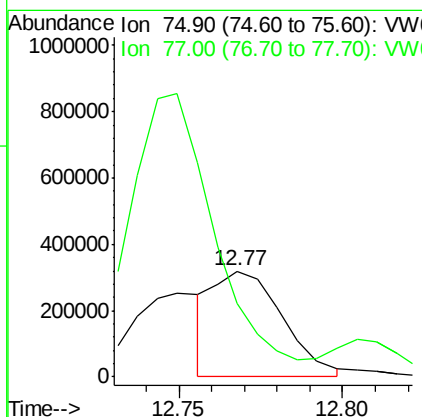
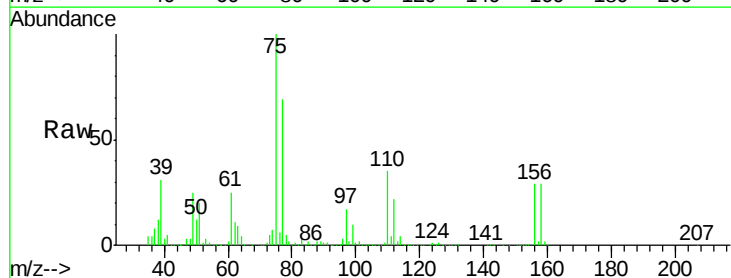
RT: 12.77 min Scan# 1782

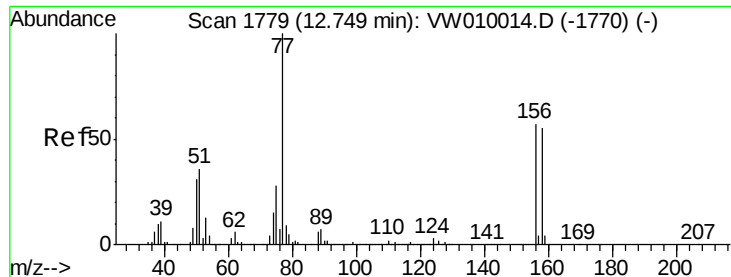
Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tgt Ion:	75	Resp:	468252
Ion Ratio	Lower	Upper	
75	100		
77	335.8	0.0	0.0#





#77

Bromobenzene

Concen: 150.687 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 764788

Ion Ratio Lower Upper

156 100

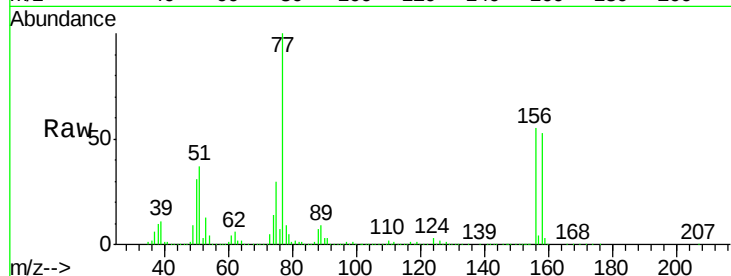
77 205.6 102.5 307.4

158 97.2 48.8 146.4

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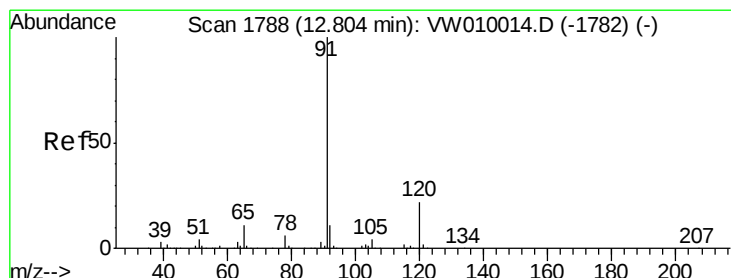
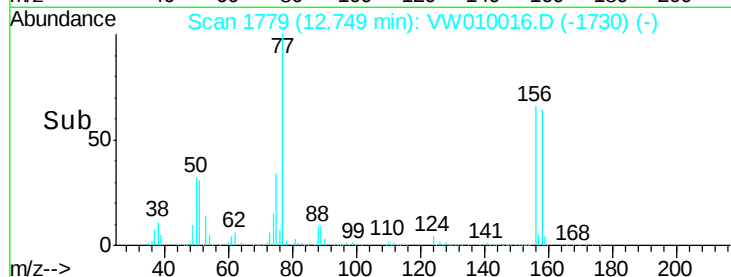
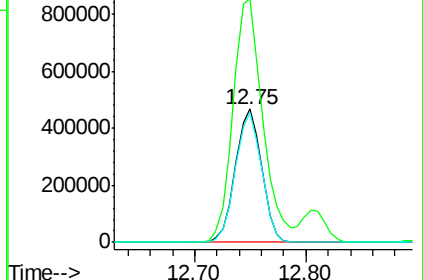
4/18/2019 11:40:22 AM



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: 152.928 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010016.D

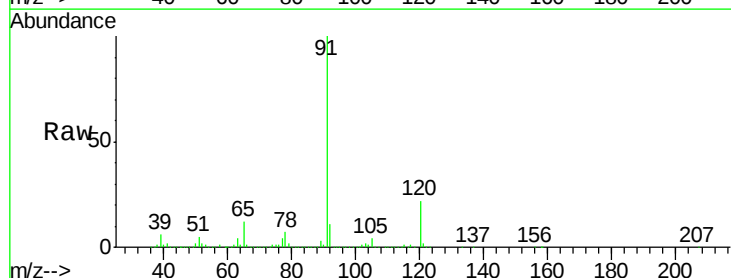
Acq: 17 Apr 2019 13:11

Tgt Ion: 91 Resp: 4182702

Ion Ratio Lower Upper

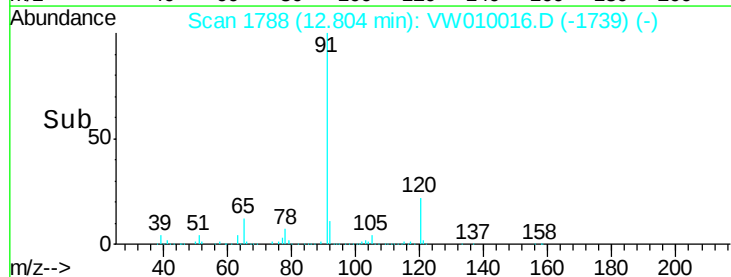
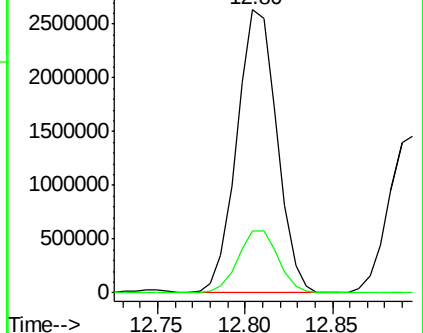
91 100

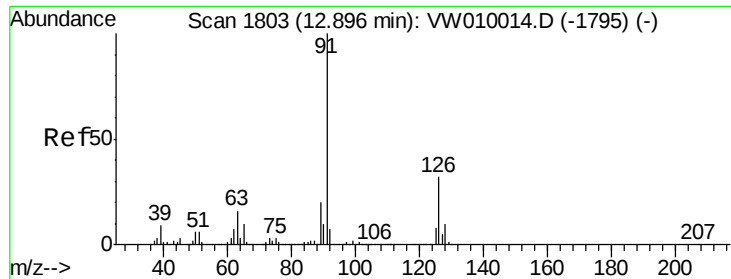
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 150.839 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2372708

Ion Ratio Lower Upper

91 100

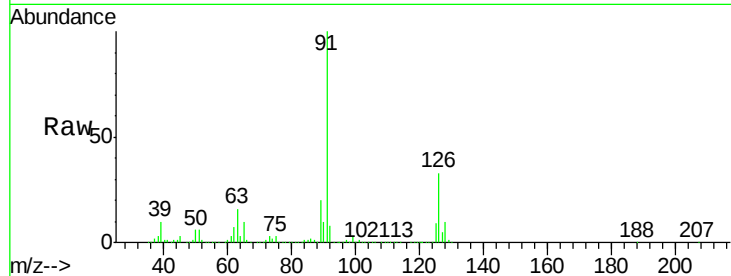
126 32.3 16.3 48.8

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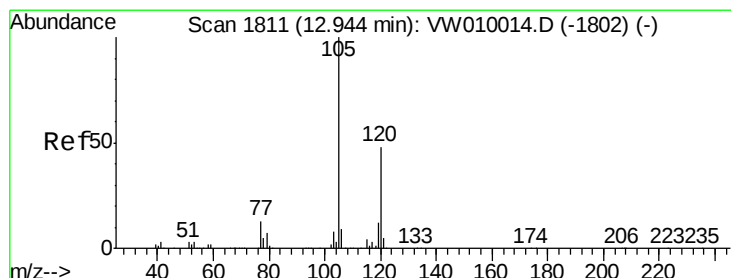
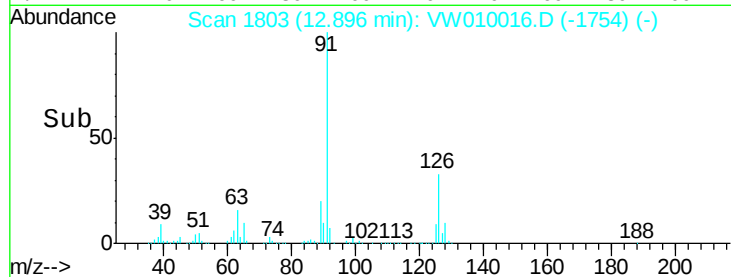
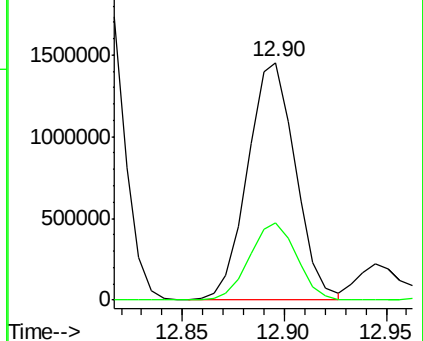
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 154.381 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010016.D

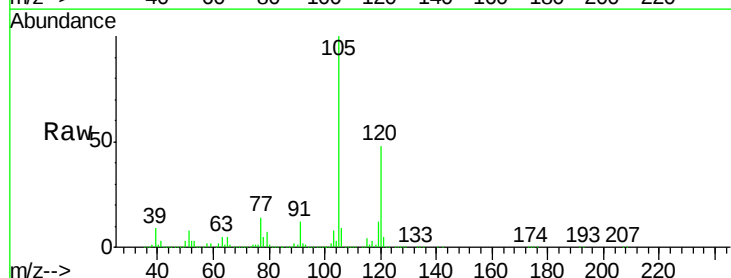
Acq: 17 Apr 2019 13:11

Tgt Ion:105 Resp: 2888620

Ion Ratio Lower Upper

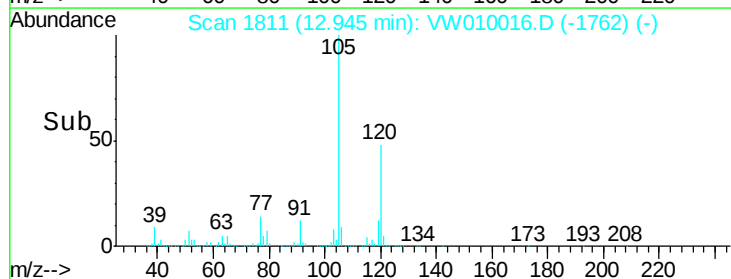
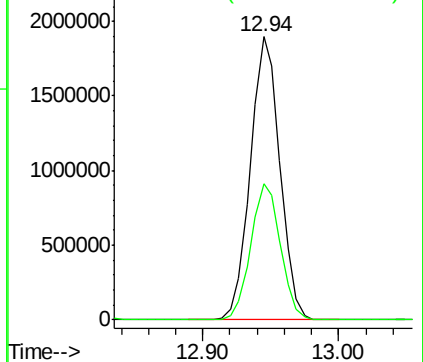
105 100

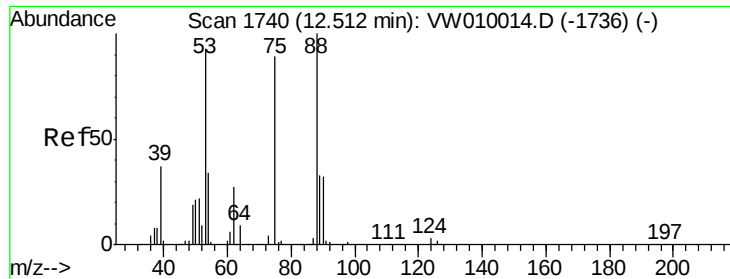
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 171.409 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

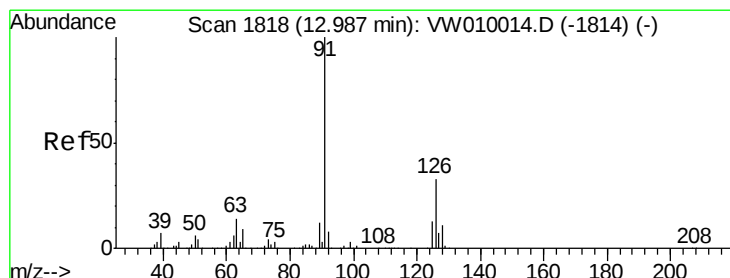
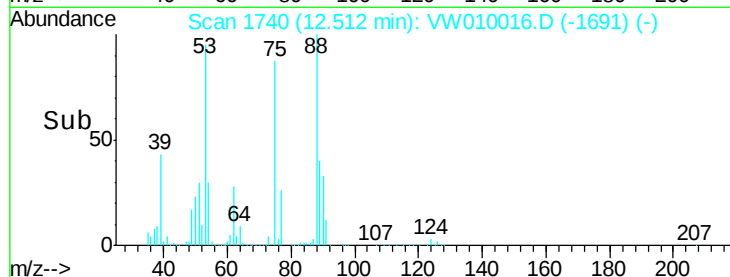
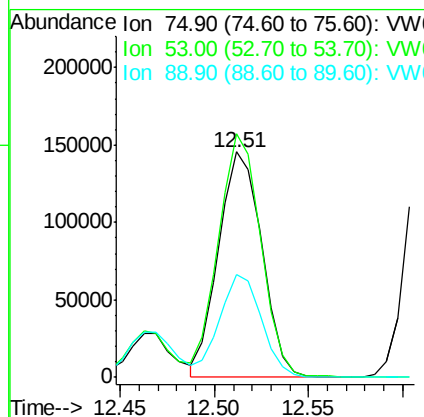
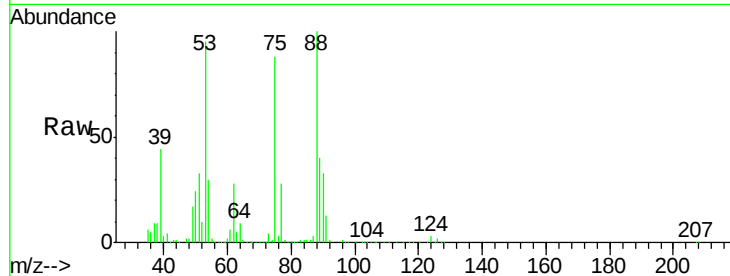
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	230693
Ion Ratio	Lower	Upper	
75	100		
53	106.3	89.8	134.8
89	44.9	36.6	54.8

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#82

4-Chlorotoluene

Concen: 149.159 ug/l

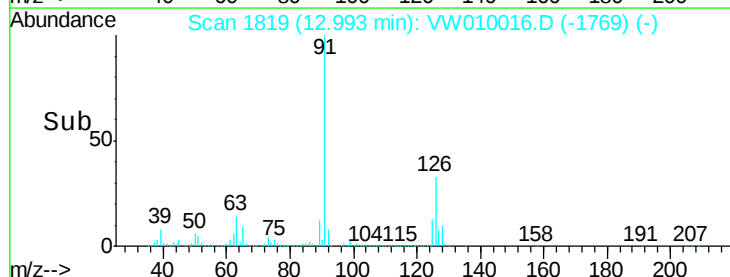
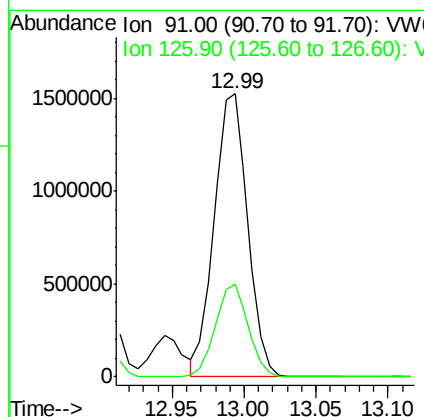
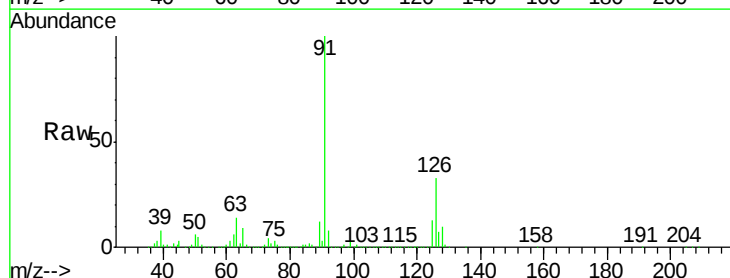
RT: 12.99 min Scan# 1819

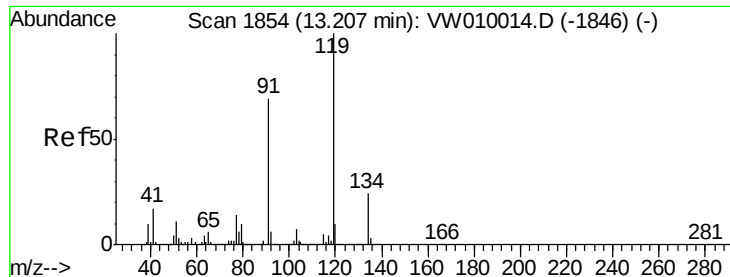
Delta R.T. 0.01 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Tgt Ion:	91	Resp:	2469381
Ion Ratio	Lower	Upper	
91	100		
126	32.3	16.4	49.1





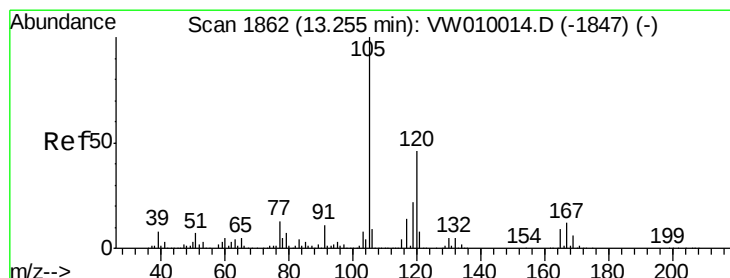
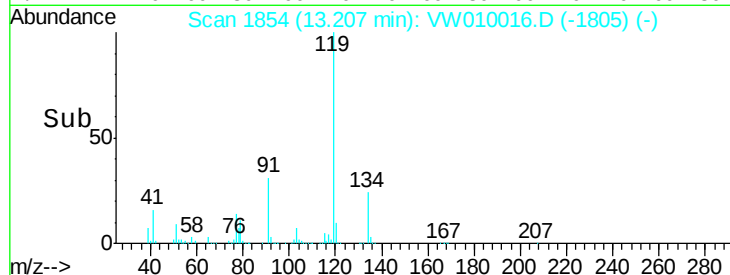
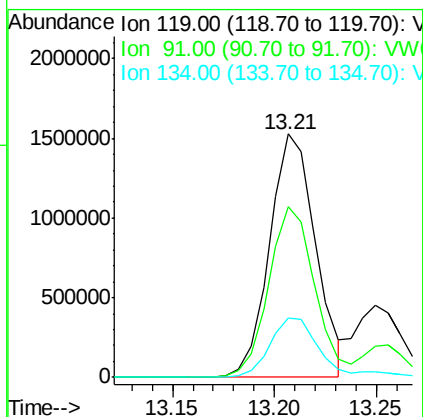
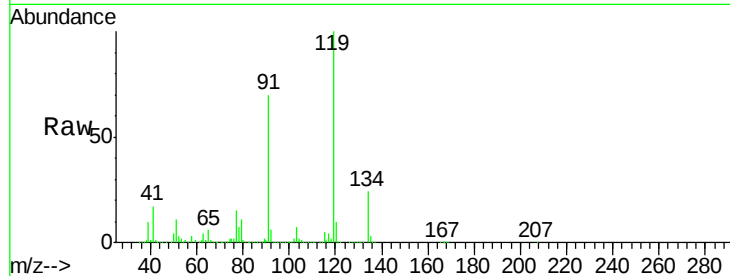
#83
tert-Butylbenzene
Concen: 154.748 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2397804
Ion Ratio Lower Upper
119 100
91 70.3 34.8 104.4
134 27.2 13.7 41.1

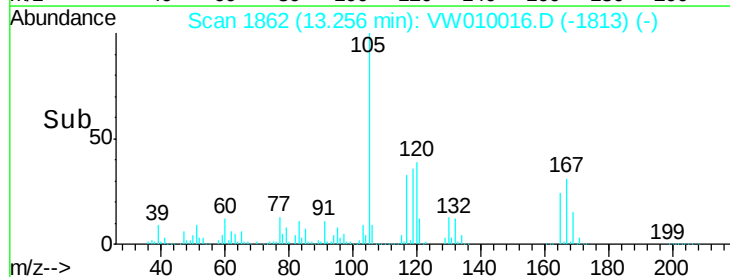
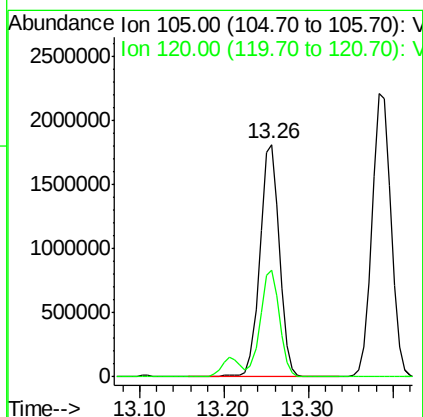
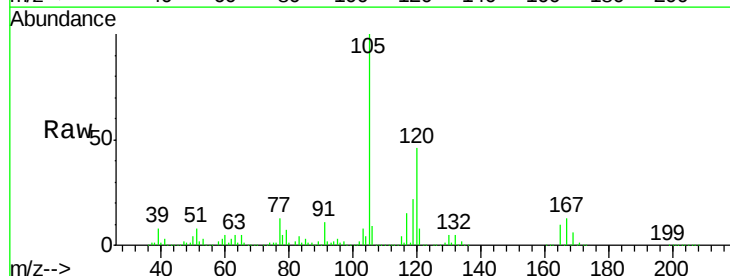
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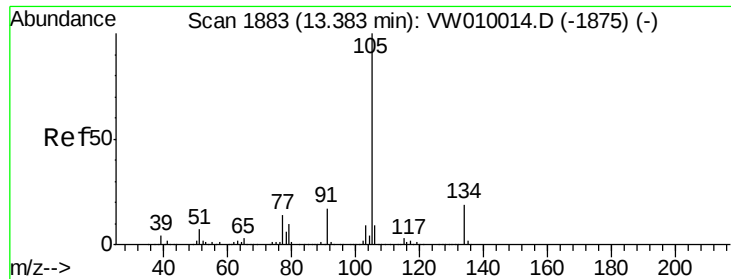
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#84
1,2,4-Trimethylbenzene
Concen: 151.654 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion:105 Resp: 2876975
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 149.794 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3468572

Ion Ratio Lower Upper

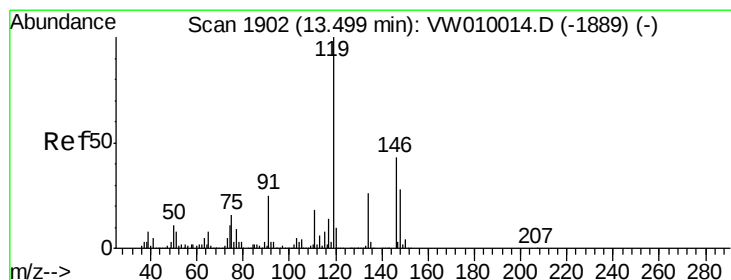
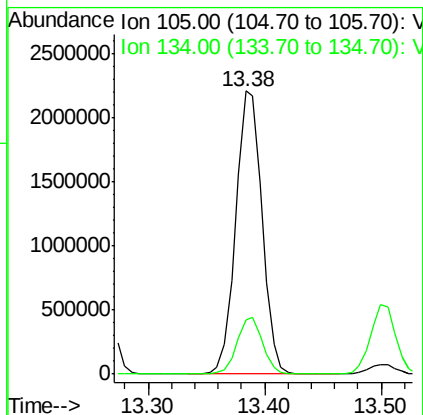
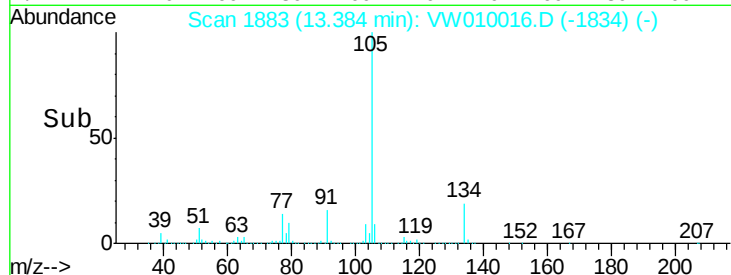
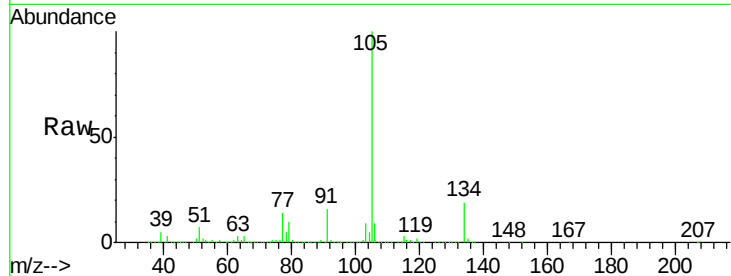
105 100

134 19.7 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 153.467 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

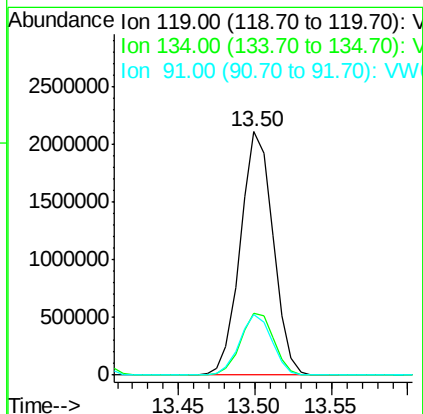
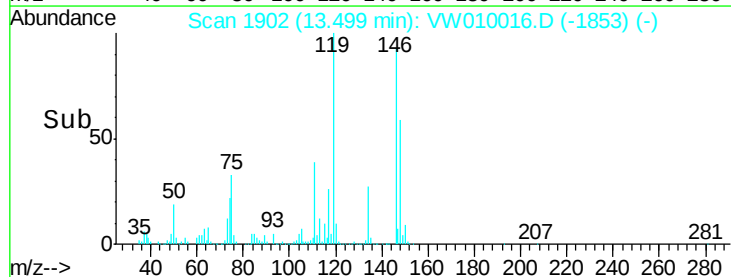
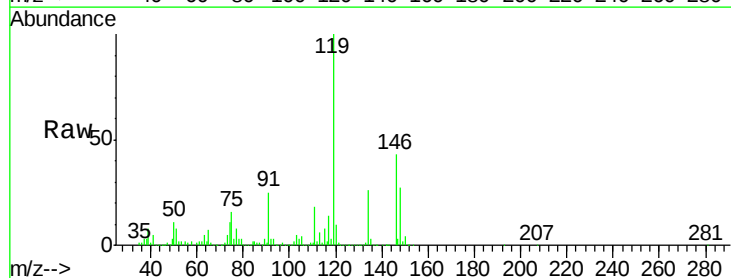
Tgt Ion:119 Resp: 3132174

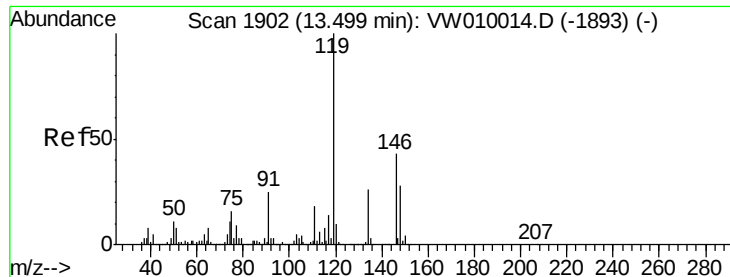
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 24.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 143.075 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1467892

Ion Ratio Lower Upper

146 100

111 41.5 20.3 61.0

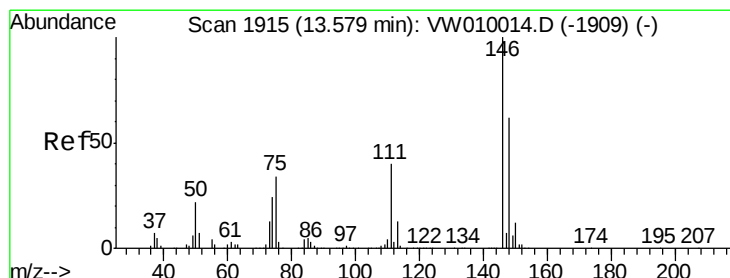
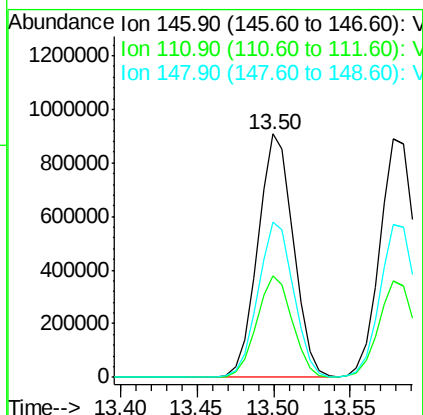
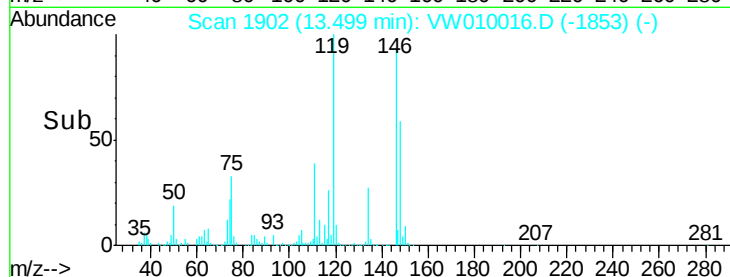
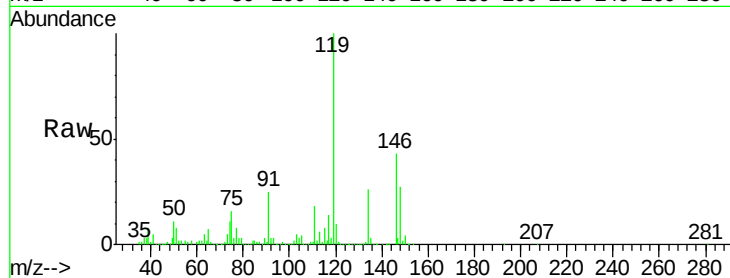
148 63.9 32.0 96.2

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#88

1,4-Dichlorobenzene

Concen: 140.606 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010016.D

Acq: 17 Apr 2019 13:11

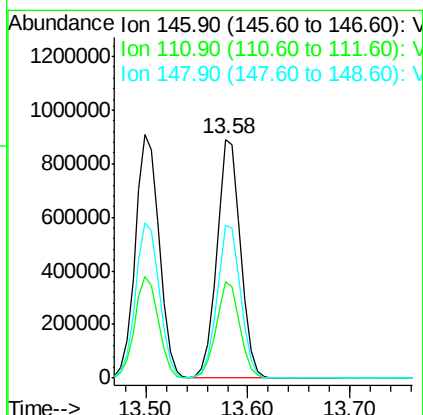
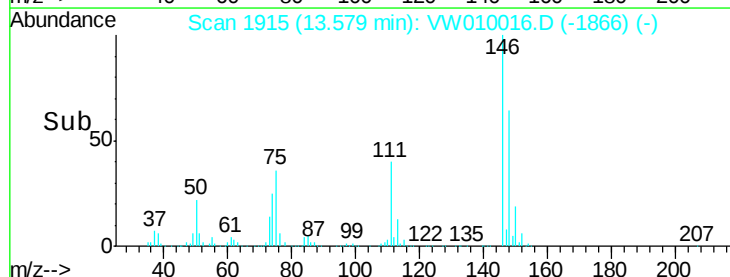
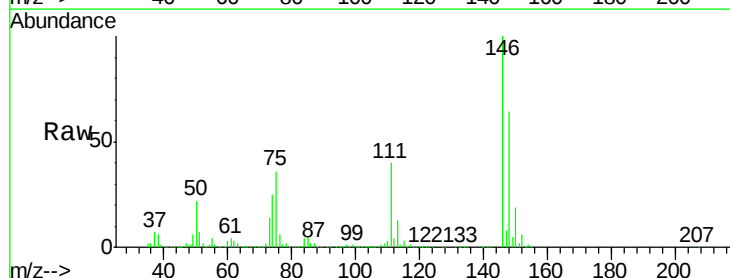
Tgt Ion:146 Resp: 1439895

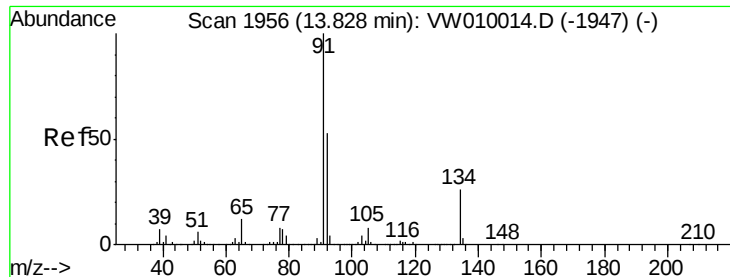
Ion Ratio Lower Upper

146 100

111 40.1 20.1 60.3

148 64.1 31.8 95.3





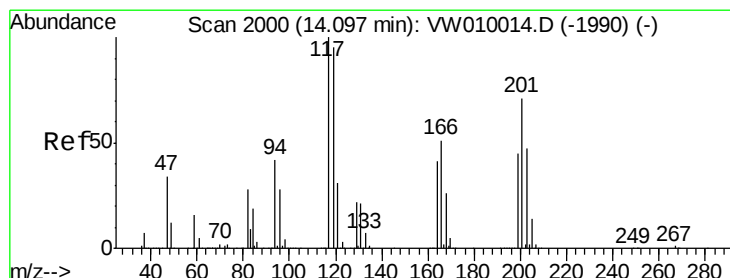
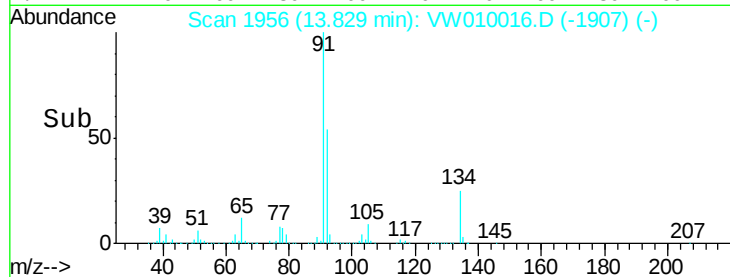
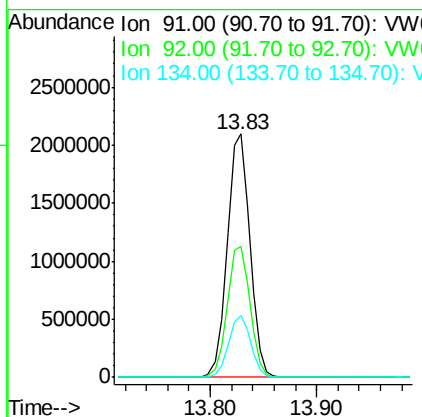
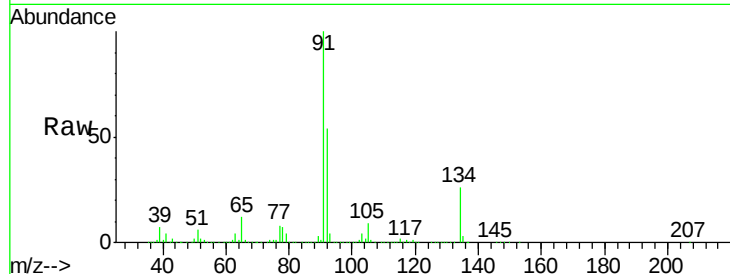
#89
n-Butylbenzene
Concen: 154.312 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3120232
Ion Ratio Lower Upper
91 100
92 54.3 26.5 79.4
134 25.1 12.4 37.0

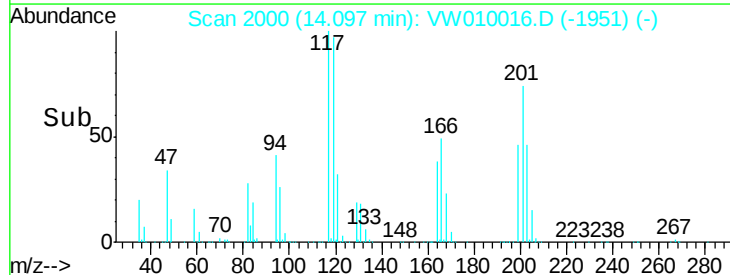
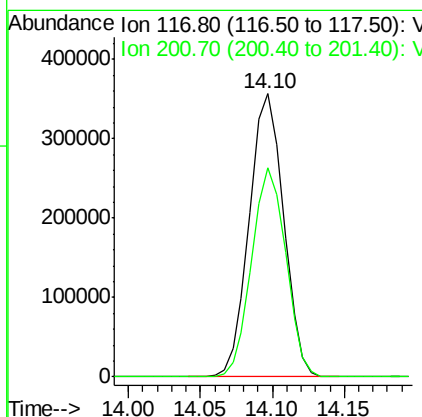
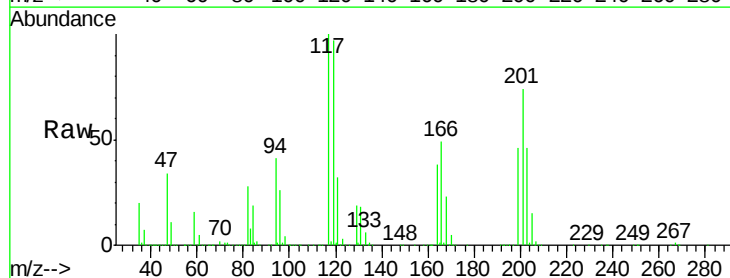
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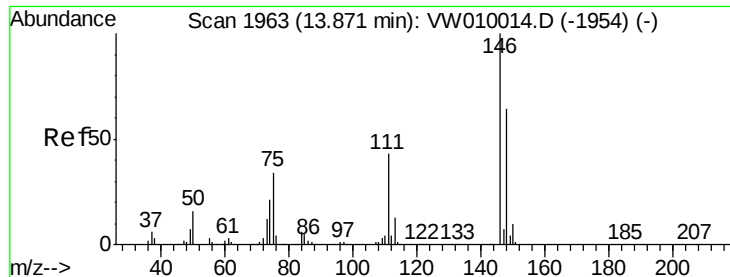
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#90
Hexachloroethane
Concen: 150.772 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion: 117 Resp: 589376
Ion Ratio Lower Upper
117 100
201 73.6 36.1 108.3





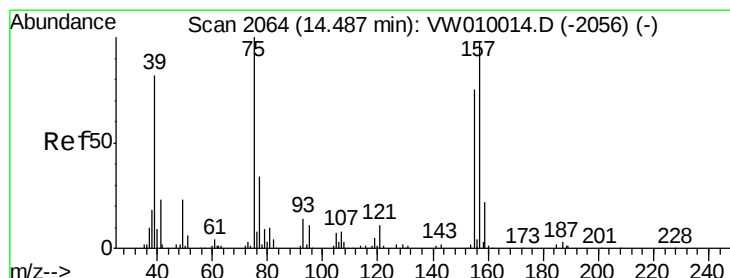
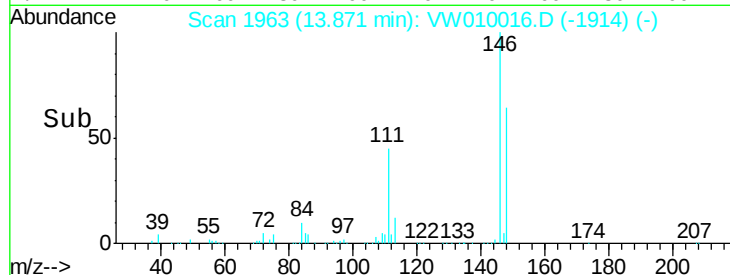
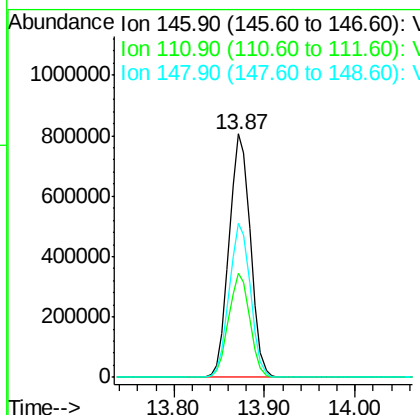
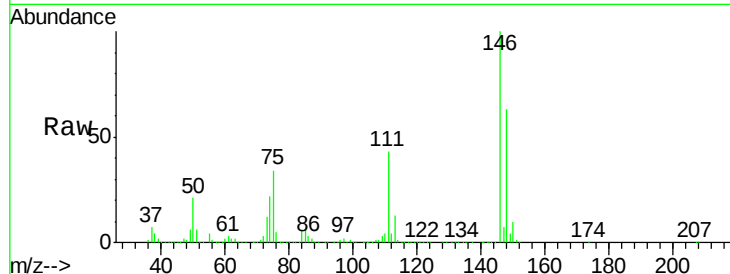
#91
 1,2-Dichlorobenzene
 Concen: 142.446 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.9	62.8
148	63.3	31.9	95.7

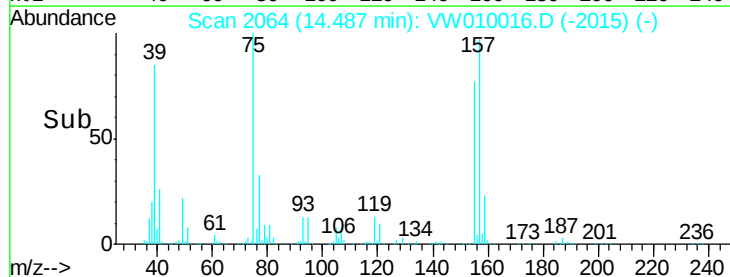
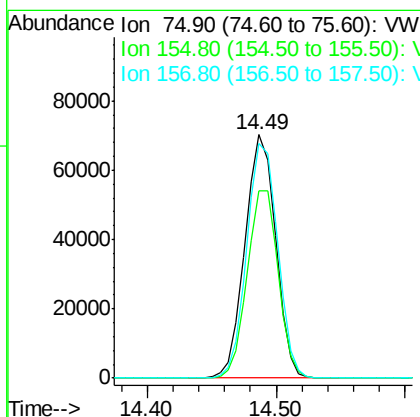
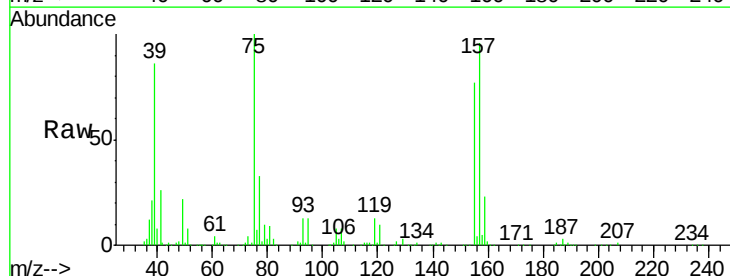
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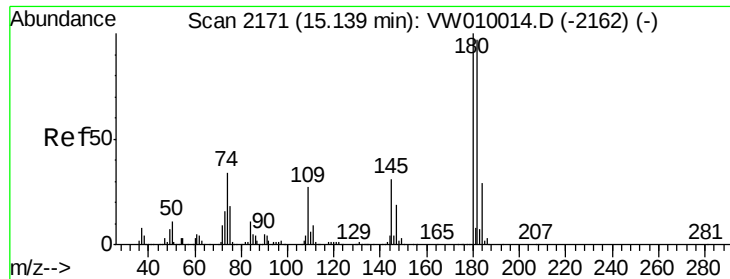
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 147.937 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	37.1	111.5
157	97.1	47.3	141.9





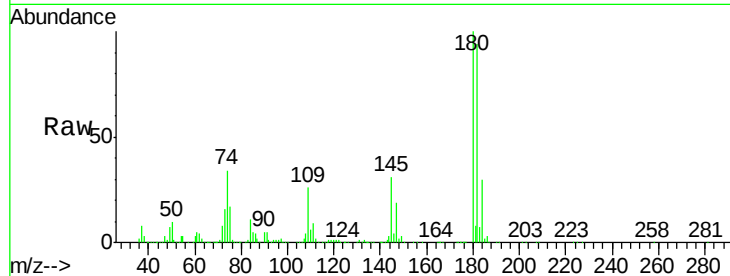
#93
 1,2,4-Trichlorobenzene
 Concen: 153.440 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

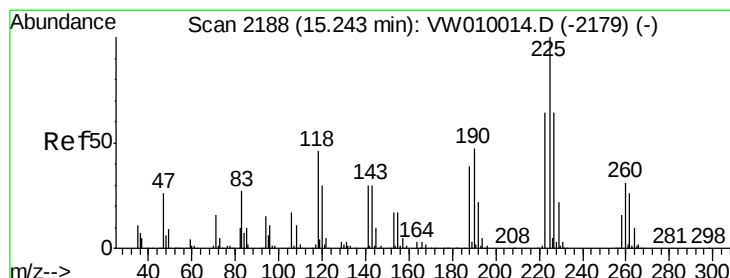
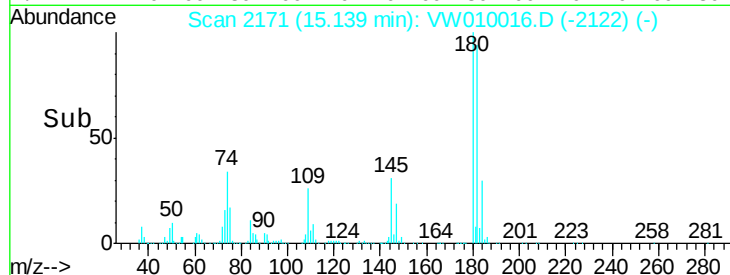
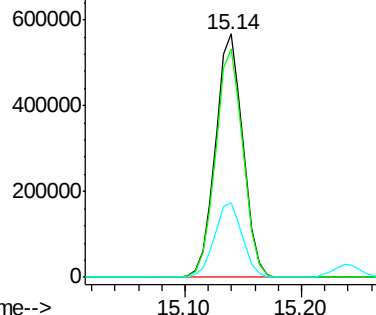
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.1	141.4	
145	31.1	15.2	45.6	

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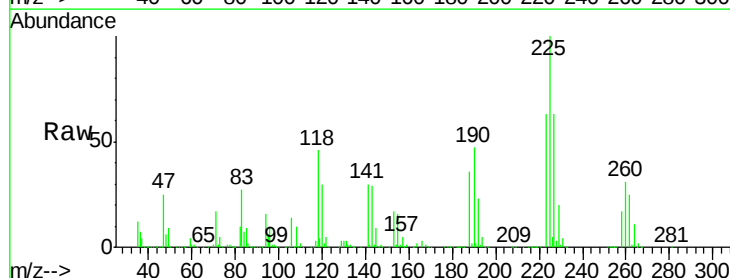


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

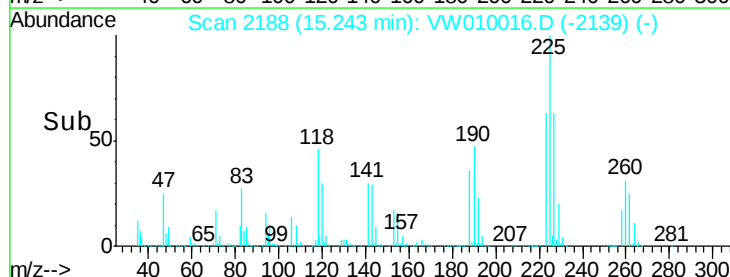
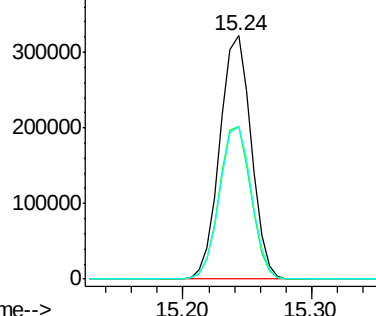


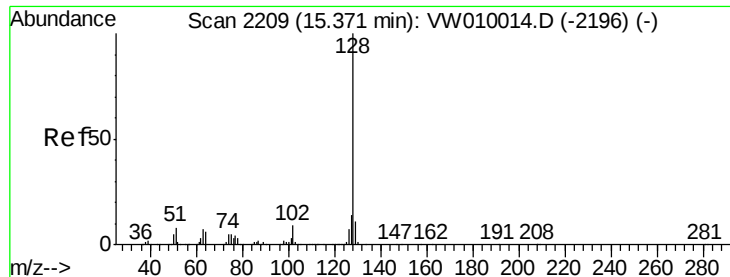
#94
 Hexachlorobutadiene
 Concen: 146.602 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010016.D
 Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.9	95.5	
227	63.6	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





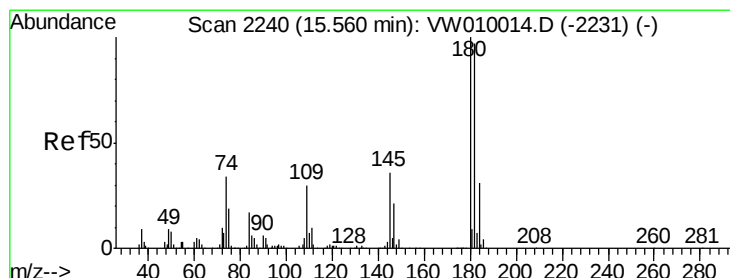
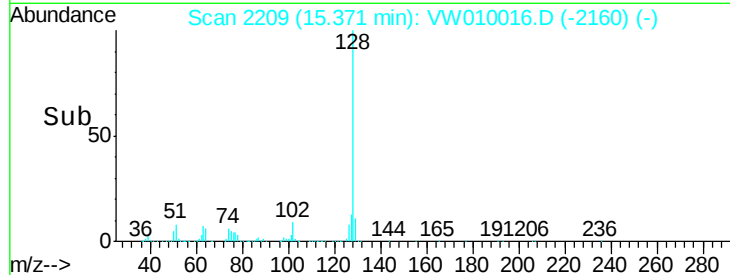
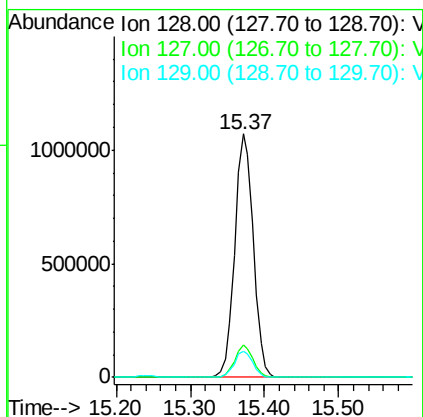
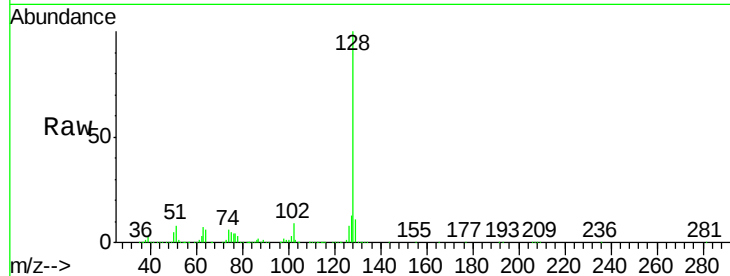
#95
Naphthalene
Concen: 171.447 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

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

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#96
1,2,3-Trichlorobenzene
Concen: 155.909 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010016.D
Acq: 17 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	32.7	16.4	49.2

